

Howard County Public School System

Board of Education's Approved FY 2016 Capital Budget

Capital Improvement Program FY 2017–2021 Long-Range Master Plan FY 2016–2025

Superintendent

Renee A. Foose, Ed.D.

Board of Education

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Howard County Public School System

Board of Education's Approved FY 2016 Capital Budget

Capital Improvement Program FY 2017–2021 Long-Range Master Plan FY 2016–2025

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This is a publication of the Howard County Public School System.

An electronic copy of the capital budget can be found on the school system's website at www.hcpss.org

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Board of Education's Approved FY 2016 Capital Budget

Capital Improvement Program FY 2017–2021 Long-Range Master Plan FY 2016–2025

June 2015

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Superintendent's Proposed FY 2016 Capital Budget

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September 2014

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Executive Summary

June 2015

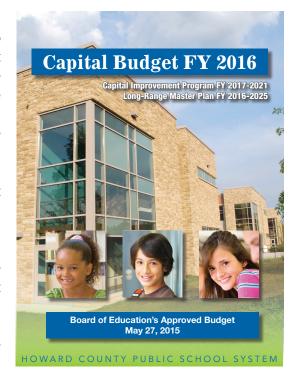


Introduction

This document contains the Howard County Public School System's (HCPSS) Board of Education's Approved FY 2016 Capital Budget and the FY 2017–2021 Capital Improvement Program (CIP) schedules. Projects are presented for the next fiscal year and future years, documenting long range plans for the system. This document was preceded by an analysis of enrollment projection trends presented in the feasibility study presented June 26, 2014.

The Superintendent's Proposed Capital Budget is the first step in this annual process which will ultimately ended with the approval of the Board of Education's final Capital Budget in May 2015. The Capital Budget is submitted much earlier than the Operating Budget to accommodate deadlines associated with submission of the Capital Budget to the Maryland State Department of Education.

The **Executive Summary** provides an introduction to the Board of Education's Approved FY 2016 Capital Budget,



the Capital Improvement Program FY 2017–2021, and the Long-Range Master Plan FY 2016–2025. It presents a high level overview of the budget process and the FY 2016 Board of Education's Approved Capital Budget. Included in the Executive Summary is the Superintendent's Message which provides an overview of the budget issues. Among other information found in the Executive Summary is a discussion of the capital budget alignment with *Vision 2018*, enrollment projections and student capacities, recent capital budget accomplishments, the capital budget schedule, and information on the capital budget process.

System Information presents information on the county and the school system, with maps of school locations throughout the county displayed by school level. The Project Detail presents detail on each project presented in the proposed FY 2016 Capital Budget as well as information on longer range project plans. The **Supporting Data** includes data from the feasibility study, detailed enrollment data, school and region test for APFO, fully funded projects in process, facilities constructed and/or renovated with state funds, and the glossary.

Message from the Superintendent

June 22, 2015

Howard County Residents:

The Howard County Public School System (HCPSS) Board of Education's Approved FY 2016 Capital Budget and the Capital Improvement Program FY 2017–2021, and the Long-Range Master Plan FY 2016–2025, provide the framework and plans for educational facilities that support a positive learning environment. The plans are integral to achieving Vision 2018, Fulfilling the Promise of Preparation, the school system's five-year strategic plan. The capital improvement program and long-range master plan address projected student capacity needs by implementing capital projects and facility renovations when and where they are most needed. The \$67.5 million FY 2016 approved capital budget was developed from these plans.



The capital budget process, detailed within the Executive Summary, links capital planning with attendance area planning and addresses long-range planning issues identified in the annual feasibility study. Presented to the Board of Education on June 26, 2014, the Feasibility Study provided new enrollment projections and proposed future redistricting.

Several factors affect the total FY 2016 Capital Budget. This year's capital improvement program provides for student capacity, renovations, and various other improvements that staff, parents, and community leaders have identified as needed. The formula used by the state to calculate school construction costs has increased to \$260.98 per square foot. Project budgets have increased to reflect rising costs such as the requirement to pay prevailing wage on all projects after July 1, 2014, costs to comply with LEED requirements, and general inflationary increases.

Highlights of the FY 2016 Capital Budget and Long-Range Master Plan are noted below:

- The FY 2016 Capital Budget is \$67.5 million.
- The cumulative total of the ten-year Long-Range Master Plan for FY 2016—2025 is \$1.32 billion and includes
 funding for four new elementary schools, a new high school, a replacement middle school, and a new middle
 school which are necessary to meet projected enrollment growth and capacity needs. In addition, it includes
 approximately \$570.6 million in systemic renovations, modernizations, major programmatic renovations,
 and additions to existing school facilities.
- HCPSS is projected to enroll 12,013 additional students between 2015 and 2025. A total of 5,650 (Grades K-12) additional seats are provided in the FY 2016–2025 Long-Range Master Plan. Coupled with the 54,522 seats of existing capacity in 2014 and the use of relocatable classrooms where required, the proposed capital program is sufficient to meet near-term student enrollment needs.

One of the most significant updates to the FY 2016–2025 Long-Range Master Plan is the addition of new school projects to reflect the increase in capacity needs resulting from development and growth in the County. These replace the administrative building projects being reexamined for alternative solutions that were included in prior plans. The result is a long-range master plan that more accurately predicts future funding needs.

Funding of the capital budget currently depends predominantly upon the issuance of bonds by the County and state. With rising costs and growing capacity needs, the future capital needs of the school system are projected to markedly surpass current County bonding limits. We look forward to continuing our ongoing discussions with County Council and other stakeholders regarding both dedicated and alternative financing sources for education.

In alignment with Vision 2018, we are implementing best practices to improve the existing capital planning processes. These will ensure that future master plans provide a vision for capital plans and investments based upon in depth analysis, and that they incorporate educational needs as well as financial factors. A new Long-Range Capital Planning Committee, comprising representatives from HCPSS and county government, will assist in the development of the long-range master plan. The committee will evaluate and prioritize the many potential projects, basing recommendations on updated annual feasibility study data, support for Vision 2018, stakeholder input, and financial considerations.

The FY 2016 Capital Budget Schedule is detailed at the end of the Executive Summary and includes the dates of Board public hearings and work sessions. The Board of Education approved the capital budget on May 27, 2015 at 9:00 a.m.

I look forward to working with the Board of Education, parents, community members, and business leaders to secure the necessary funding and support for the improvements to Howard County public school facilities.

Sincerely,

Renee A. Foose, Ed.D.

Ron G. In

Superintendent

FY 2016 Capital Budget

FY 2016

Board of Education's Approved Capital Budget

FY 2016 Capital Budget

Board of Education Approved

May 27, 2015

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Capacity	Project	Occupancy	Approved Appropriations	State Contribution	Local Bonds	Codes	Transfer Tax	Total FY16 Request	Requested Project Totals Through FY16
760	Wilde Lake MS Replacement School	Aug 2017	10,858	13,303	4,931	(C)	-	18,234	29,092
-	Patuxent Valley MS Renovation	Aug 2017	8,145	7,819	781	(C)	1,400	10,000	18,145
100	Swansfield ES Renovation/Addition	Aug 2018	1,898	-	9,875	(C)	-	9,875	11,773
100	Waverly ES Renovation/Phase II Addition	Aug 2018	-	-	3,770	(C)	-	3,770	3,770
788	New Elementary School #42	Aug 2018	-	-	2,807	(P)	-	2,807	2,807
	Systemic Renovations/Modernizations		218,887	489	8,774	(P,C,E)	-	9,263	228,150
	Roofing Projects		40,537	2,338	2,662	(P,C,E)	-	5,000	45,537
	Playground Equipment		2,380	-	-	(E)	-	-	2,380
	Relocatable Classrooms		16,210	-	1,200	(P,C,E)	-	1,200	17,410
	Site Acquisition & Construction Reserve		20,836	-	-	(P,C)	-	-	20,836
	Technology		29,486	-	-	(C,E)	5,000	5,000	34,486
	Planning and Design		-	-	-	(P)	300	300	300
	Barrier Free		5,228	-	200	(P,C,E)	-	200	5,428
	TOTALS		\$ 354,465	\$ 23,949	\$ 35,000		\$ 6,700	\$ 65,649	\$ 420,114

 State Allocations for Prior Year Projects*
 1,821
 1,821

 \$ 25,770
 \$ 35,000
 \$ 6,700
 \$ 67,470

⁽P) Planning

⁽C) Construction

⁽E) Equipment

^{*} Deep Run ES Renovation/Addition

Howard County Public School System

FY 2017-2021 Capital Improvement Program

Board of Education Approved

(In Thousands)

May 27, 2015

Grades	Capacity	Project	Occupancy	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 Year CIP Total
6-8	760	Wilde Lake MS Replacement School	Aug 2017	12,895	-	-	-	-	12,895
6-8	-	Patuxent Valley MS Renovation	Aug 2017	10,385	-	-	-	-	10,385
K-5	100	Swansfield ES Renovation/Addition	Aug 2018	11,567	1,751	-	-	-	13,318
K-5	100	Waverly ES Renovation/Phase II Addition	Aug 2018	6,430	16,898	-	-	-	23,328
K-5	788	New Elementary School #42	Aug 2018	11,640	23,633	2,460	-	-	37,733
6-8	-	Oakland Mills MS Limited Renovation	Aug 2019	4,000	5,000	5,000	-	-	14,000
9-12	-	Hammond HS Renovation	Aug 2021	3,790	18,124	18,999	18,374	19,000	78,287
6-8	156	Ellicott Mills MS Addition	Aug 2019	432	3,440	2,293	-	-	6,165
9-12	-	Oakland Mills HS Renovation	Aug 2022	-	-	-	6,167	38,685	44,852
K-5	600	New Elementary School #43	Aug 2023	-	-	-	4,180	14,300	18,480
	-	Systemic Renovations/Modernizations		18,708	59,909	88,114	78,338	52,135	297,204
	-	Roofing Projects		5,000	5,000	5,000	5,000	5,000	25,000
	-	Playground Equipment		300	300	300	300	300	1,500
		Relocatable Classrooms		1,500	1,500	1,500	1,500	1,500	7,500
	-	Site Acquisition & Construction Reserve		2,000	2,000	2,000	2,000	2,000	10,000
	-	Technology		10,000	6,000	5,000	7,500	10,000	38,500
	-	School Parking Lot Expansions		600	600	600	600	600	3,000
		Planning and Design		300	300	300	300	300	1,500
	-	Barrier Free		200	200	200	200	200	1,000
		TOTALS		\$ 99,747	\$ 144,655	\$ 131,766	\$ 124,459	\$ 144,020	\$ 644,647

Board of Education's Approved Capital Budget

Howard County Public School System

FY 2016-2021 Long-Range Systemic Renovation Projects

Board of Education Approved May 27, 2015 (In Thousands)

Project	FY 2016 Local	FY 2016 State	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Totals
Hollifield Station ES Control Systems	\$ 321	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 321
Mayfield Woods MS Electronics (Fire Alarm)	65	150	-	-	-	-	-	215
Manor Woods ES Electronics (Fire Alarm)	102	113	-	-	-	-	-	215
Lime Kiln MS Control Systems	235	-	-	-	-	-	-	235
Clarksville ES Doors/Frames	241	-	-	-	-	-	-	241
Rockburn ES Boiler	87	226	-	-	-	-	-	313
Glenwood MS Boiler/Water Heater	500	-	3,000	-	-	-	-	3,500
Bonnie Branch MS HVAC	23	-	650	-	-	-	-	673
Dunloggin MS Renovation + Addition	-	-	2,943	17,284	11,523	-	-	31,750
Talbott Springs ES Renovation	-	-	2,268	11,462	8,264	-	-	21,994
Patapsco MS Renovation	-	-	3,147	16,887	11,258	-	-	31,292
Jeffers Hill ES Renovation	-	-	-	1,799	9,409	6,273	-	17,481
Elkridge ES Renovation	-	-	-	2,914	16,784	11,189	-	30,887
Hammond MS Renovation	-	-	-	2,863	14,959	9,973	-	27,795
ARL HVAC/Controls	-	-	-	-	600	8,550	-	9,150
Pointers Run ES Renovation	-	-	-	-	3,000	12,271	16,514	31,785
Forest Ridge ES Renovation	-	-	-	-	2,627	11,169	12,446	26,242
Mayfield Woods MS Renovation	-	-	-	-	2,990	12,213	16,475	31,678
Energy Projects	500	-	-	-	-	-	-	500
Other Systemic	6,700	-	6,700	6,700	6,700	6,700	6,700	40,200
TOTALS	\$ 8,774	\$ 489	\$ 18,708	\$ 59,909	\$ 88,114	\$ 78,338	\$ 52,135	\$ 306,467

Howard County Public School System

FY 2016-2025 Long-Range Master Plan

	FY 2016-2025 Long-Range Master Plan													
Board of Education Approved	pard of Education Approved (In Thousands) May 27, 2015													
Project	Approved Appropriations	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Approp. plus FY16-FY25 Request		
Wilde Lake MS Replacement School	10,858	18,234	12,895	-	-	-	-	-	-	-	-	41,987		
Patuxent Valley MS Renovation	8,145	10,000	10,385	-	-	-	-	-	-	-	-	28,530		
Swansfield ES Renovation/Addition	1,898	9,875	11,567	1,751	-	-	-	-	-	-	-	25,091		
Waverly ES Renovation/Phase II Addition	-	3,770	6,430	16,898	-	-	-	-	-	-	-	27,098		
New Elementary School #42	-	2,807	11,640	23,633	2,460	-	-	-	-	-	-	40,540		
Oakland Mills MS Limited Renovation	-	-	4,000	5,000	5,000	-	-	-	-	-	-	14,000		
Hammond HS Renovation	-	-	3,790	18,124	18,999	18,374	19,000	-	-	-	-	78,287		
Ellicott Mills MS Addition	-	-	432	3,440	2,293	-	-	-	-	-	-	6,165		
Oakland Mills HS Renovation	-	-	-	-	-	6,167	38,685	25,790	-	-	-	70,642		
New Elementary School #43	-	-	-	-	-	4,180	14,300	14,300	11,518	-	-	44,298		
Centennial HS Renovation	-	-	-	-	-	-	-	6,151	38,592	25,728	-	70,471		
New Elementary School #44	-	-	-	-	-	-	-	4,320	15,670	15,670	11,334	46,994		
New Elementary School #45	-	-	-	-	-	-	-	-	4,460	16,330	16,330	37,120		
New High School #13	-	-	-	-	-	-	-	-	-	10,764	51,226	61,990		
New Middle School #21	-	-	-	-	-	-	-	-	-	-	4,880	4,880		
Systemic Renovations/Modernizations	218,887	9,263	18,708	59,909	88,114	78,338	52,135	61,293	64,358	67,576	70,955	789,536		
Roofing Projects	40,537	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	90,537		
Playground Equipment	2,380	-	300	300	300	300	300	300	300	300	300	5,080		
Relocatable Classrooms	16,210	1,200	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	30,910		
Site Acquisition & Construction Reserve	20,836	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	38,836		
Technology	29,486	5,000	10,000	6,000	5,000	7,500	10,000	5,000	7,500	10,000	6,000	101,486		
School Parking Lot Expansions	4,200	-	600	600	600	600	600	600	600	600	600	9,600		
Planning and Design	_	300	300	300	300	300	300	300	300	300	300	3,000		
Barrier Free	5,228	200	200	200	200	200	200	200	200	200	200	7,228		
State Allocations for Prior Year Projects*	-	1,821	-	-	-	-	-	-	-	-	-	1,821		
TOTALS	\$ 358,665	\$ 67,470	\$ 99,747	\$ 144,655	\$ 131,766	\$ 124,459	\$ 144,020	\$ 126,754	\$ 151,998	\$ 155,968	\$ 170,625	\$ 1,676,127		

Ten-Year Long-Range Master Plan = \$1,317,462



Fulfilling the Promise of Preparation

Vision

Every student is **inspired** to learn and **empowered** to excel.

GOAL 1

Students

Every student achieves academic excellence in an inspiring, engaging, and supportive environment.

GOAL 2

Staff

Every staff member is engaged, supported, and successful.

Mission

We cultivate a **vibrant** learning community that prepares students to thrive in a **dynamic** world.

GOAL 3

Families and the Community

Families and the community are engaged and supported as partners in education.

GOAL 4

Organization

Schools are supported by world-class organizational practices.

Guiding Principles

We believe in...

- Achieving excellence in all we do
- Developing each student's unique gifts
- Engaging students in relevant, experiential, and personalized learning
- Cultivating creative problem solving, critical thinking, and innovation
- Promoting integrity, civility, and global citizenship
- Enriching learning by honoring our diversity
- Fostering a culture of collaboration, trust, and shared responsibility
- Removing barriers to success

THE HOWARD COUNTY PUBLIC SCHOOL SYSTEM

Capital Budget Support of Vision 2018

Alignment with Strategic Plan

Vision 2018: Fulfilling the Promise of Preparation is the Board's strategic plan to build an educational program that is among the best in the world. While much of this plan is implemented in the operating budget, the CIP supports achievement of each goal in Vision 2018.

The Capital Improvement Program (CIP) supports *Goal 1 Strategy* 1.4.6: Configure physical spaces to facilitate learning by providing spaces configured to facilitate learning in accordance with board approved



educational specifications. The CIP also supports *Strategy 1.8.2: Provide opportunities for students to explore* a wide variety of experiences and to build competencies in academics, athletics, and the arts. Classrooms are specified to contain students according to approved class size ratios. Beyond the regular classrooms, facilities have specialized spaces which are equipped to deliver all approved programs.

The CIP provides facilities with program areas for physical education and play areas for unstructured activity promoting physical activity as a part of every child's daily routine. Walking and biking are facilitated with pathways and bicycle racks. Facilities include a cafetorium outfitted with the necessary equipment to deliver approved menu items.



Facilities also provide opportunities for students to learn how to balance their choices in activity modalities, including independent activity, face-to-face interaction, athletics, creative endeavors, and screen time. Facilities are designed to physically and socially activate students, staff, and the community. Stimulating indoor and outdoor spaces utilize light and appealing design to create spaces for impromptu use.

Goal 2 seeks to have every staff member engaged, supported, and successful. Facility planning includes cross functional representatives of the school system at all levels of construction and renovation process from acquisition of land to engagement during construction. Planning, Construction, and Maintenance information are provided

online through Board Docs as well as separate web pages. Staff is engaged with satisfaction surveys and presentations at training sessions.

Capital Budget Support of Vision 2018

Goal 3 seeks to have families and the community engaged and supported as partners in education. Facilities are designed with secure access points to ensures visitors' needs are addressed while protecting students and staff from intrusion. Classroom and staff work areas are designed to be comfortable and well lit. Projects include outreach to the community through meetings and presentations to ensure notification and collection of valuable stakeholder input. Staff coordinate with local officials, safety inspectors, and environmental regulators in support of student wellbeing.



Goal 4 seeks to ensure that schools are supported by world-class organizational practices. Facilities and equipment are constructed according to required codes and best practices. Regular safety and maintenance inspections are conducted according to local, state, and national standards. Industry best practices are implemented and benchmarks are identified and used. Examples include LEED standards and Green School Certification. Facilities are designed to incorporate technology sselected to support overall organized goals.



Capital Planning

Capital planning is an ongoing process where the annual Capital Improvement Program (CIP) and Long-Range Master Plan are updated to reflect changes in enrollments, building capacities and other conditions. The Howard County Public School System (HCPSS) provides other relevant publications which should be taken as a whole with the capital budget. These include the Feasibility Study, Educational Facility Master Plan, and the Comprehensive Facility Maintenance Plan.

The formulation of the FY 2016 Capital Budget, FY 2017–2021 Capital Improvement Plan, and the FY 2016–2025 Long-Range Master Plan begins with the annual completion of enrollment projections first presented in the June 2014 Feasibility Study. The results of this projection are also included in this document in pre- and post-measures charts. Capacities of schools dictate the calculation of percentage capacity utilization, a measure which allows the effect of school projections to be illustrated in a meaningful way. A school with capacity utilization over 110 percent is deemed to be over-utilized, while a school below 90 percent capacity utilization is deemed to be under-utilized. This range is set by Board of Education policy.

Major findings from the June 2014 Feasibility Study which have been factored into this request include:

- The projected need for New ES #42 is more urgent than was previously projected. A site has been procured and approved allowing planning in FY 2016.
- The renovation of Dunloggin MS should include new capacity. The renovation presents an opportunity to gain capacity in an area with strong growth.
- Ellicott Mills MS should be expanded to a capacity in line with the larger schools identified in the Gilbert MS Capacity Study.
- Trends support inclusion of three new elementary school projects and one new middle school project in the long range master plan.

The redistricting of school attendance areas is an integral part of the CIP. The HCPSS is responsible for ensuring that school buildings in the county are run efficiently and effectively. This means keeping schools at or near capacity and ensuring that most available seats are used before new schools would be built. Redistricting is used to ensure that existing capacity and the scheduled capital projects efficiently accommodate projected student enrollments. While redistricting plans are implied for new facilities proposed in this plan, formal approval of those plans will not occur until the year before they will take effect. Changing circumstances may require different plans.

For planning purposes, the school attendance areas are grouped into six planning regions. Redistricting plans may include more than one region. The schools and their regions are identified on the elementary school level page, middle school level page, and the high school level page found in the Supporting Data section.

Capital Planning and Growth Management

General Plan

The Capital Improvement Plan (CIP) is developed in alignment with the Board's strategic plan. However it must conform with another important planning document, the Howard County General Plan. Known as Plan Howard 2030, it includes annual residential development targets through 2030. The HCPSS will work closely with the Howard County Government to identify future funding sources so that our capital plan best supports the growth management goals of the Howard County General Plan. The Capital Budget is presented to the Howard County Planning Board so they may make a finding of plan conformance to the County Council.



The General Plan policy most relevant to this Capital Budget is *Policy 6.1h -- Schools. Make efficient use of existing school capacity avoiding unnecessary capital outlays.* HCPSS has conducted three years of redistricting since the adoption of PlanHoward 2030, in part to make more efficient use of existing schools. A total of 4,326 students were moved. More than three quarters of these students were relocated to existing schools. In 2011, prior to these redistricting efforts, 51 percent of students were in schools which met BOE target of 90-110 percent utilization. For the school year beginning in the fall of 2014, 64 percent of students will be in schools that meet this target. This was accomplished with only a four percent increase in capacity.

The General Plan also guides land development in accordance with relevant state growth management laws like the 1997 Priority Funding Areas Act and Smart Green and Growing Act which direct state spending to existing communities and places where local governments want state investment to support future growth, rather than farmland or undeveloped land. The HCPSS has invested heavily in priority funding areas of late with the construction of Ducketts Lane ES and Thomas Viaduct MS. The only projects proposed outside of the priority funding area today are the systemic renovations necessary to maintain systems in existing school, like boiler or HVAC upgrades.

Adequate Public Facilities Ordinance

The Adequate Public Facilities Ordinance (APFO) ties future residential construction in Howard County to projected school enrollments and school capacities. Elementary and middle school attendance areas that show a projected enrollment over 115 percent of a school's program capacity are closed to future residential development until an attendance area adjustment or a capital improvement can be completed. The APFO test for opening or closing a school attendance area to residential building looks at the projected population of a school three years out from the current year.

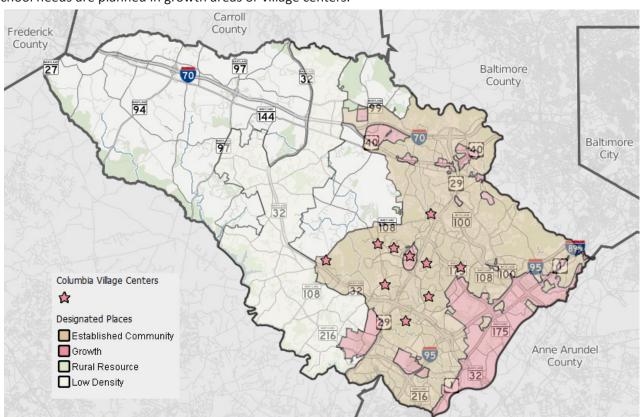
Capital Planning and Growth Management

The APFO charts that appear in the Supporting Data section, are the charts that were approved for submission to the County Council by the Board of Education on May 9, 2013, and subsequently submitted to the Howard County Council and begin with the year 2016. The APFO charts do not include new schools or projects when their sites have not yet been acquired. As the school system secures deeds for the sites to these planned schools or projects, they will be reflected in that year's APFO chart.

Along with the elementary and middle school test, a regional test within planning regions at the elementary level is also included in the ordinance. Using the APFO Charts as indicators at the elementary level, all regions are "open" in 2016 and one school is "closed" in 2016. At the middle school level four schools are "closed" in 2016.

With the pre-/post-measures approach, the APFO formatted charts found in the Supporting Data section are in the pre-measures format. These charts represent the adjusted FY 2015 Capital Budget projects and the new projections. The post-measures charts represent the recommended capital projects for the FY 2016 Capital Improvement Program and redistricting results from the 2014 Feasibility Study and are for demonstrative purposes only.

The General Plan process was followed by adoption of the growth tiers map. Future development and school needs are planned in growth areas or village centers.



Enrollment Projections and School Capacities

Methodologies

The formulation of the FY 2016 Capital Budget, FY 2017-2021 Capital Improvement Program, and the FY 2016-2025 Long-Range Master Plan begins with the annual completion of enrollment projections first published in the feasibility study. The projections included in this document are the result of a collaborative effort between the HCPSS, Howard County Department of Planning and Zoning, Maryland Department of Health and Mental Hygiene, and other county and state agencies.

The calculation of the future enrollment projection is based upon a "cohort survival ratio" method of projecting student enrollments. This methodology looks at past population patterns within the county to construct "survival ratios" in predicting a particular grade's migration through the school system. For example, cohort-survival ratios predict how many second graders will result from last year's first graders, how many third graders will result from last year's second graders, and continues until the number of twelfth graders from last year's eleventh graders is predicted. A geographical cohort survival ratio is used rather than a school-based cohort survival ratio to maintain comparability regardless of any redistricting. Finally, the effects of new housing, the net effect of resale of existing housing, and programs housed at the school that impact enrollment are added to the cohort.

Capacities

Equitable evaluation of the impact of projected enrollment growth requires calculation of the capacities of schools. Capacities are not necessarily fixed to the capacity designed when a building first opened. Changes in use, program, and standards can effectively change capacity.

High School capacities were evaluated and updated by the Board of Education in March 2009. High school program capacities are a product of either 80 or 85 percent of the total number of teaching stations multiplied by 25 students, exclusive of special education classrooms, and factored with consideration that not all teaching stations can be scheduled for use every period of the school day. Further, special-use teaching stations may not be adaptable for academic programs even if the space is available for a period of the school day.

Middle school capacities were evaluated and approved by the Board September 26, 2013, after a full study and report by Gilbert Architects Inc. Middle school program capacities are a product of 95 percent of the total number of teaching stations multiplied by 20.5 students, exclusive of special education classrooms. Like high schools, not all teaching stations can be scheduled for use every period of the school day.

Elementary school capacities were evaluated and approved by the Board October 23, 2014, after a full study and report by Gilbert Architects Inc. Elementary school program capacities are based on 22 students for each Kindergarten classroom, 19 students for each classroom in Grades 1 and 2, and 25 students for each classroom in Grades 3–5. Elementary school special education classroom capacities are established by the mandated student/teacher ratios for the various programs. Not included in the capacities for elementary schools are resource/instructional spaces that are utilized on a school wide basis where no one group of studentsis assigned exclusively. Some examples of spaces not included in the capacity are gymnasiums or multipurpose rooms, cafetoriums, art rooms, music rooms, media centers, gifted and talented rooms, or rooms dedicated to regional programs such as RECC or Pre-K.

Types of Capital Projects

The Capital Improvement Plan (CIP) provides for all facilities needs for the school system. Projects are identified by their purpose as described below.

Capacity Projects

New facilities or additions are proposed when projected enrollments cannot be accommodated reasonably within available capacity. The decision to construct a new facility or build an addition on an existing school involves consideration of fiscal implications as well as consideration of the following:

- Growth and location of population to be served
- Available capacity in surrounding schools
- Housing needs of current and desired educational programs

Each capacity project in the Capital Improvement Program (CIP) has first been evaluated in the annual feasibility study which balances school boundary redistricting choices with capital If the attending areas investments. for existing schools can be adjusted, capital expenditures can be avoided or at least delayed. The Board of Education will review the CIP and set direction as appropriate during capital budget presentations each year. The opening of new schools requires redistricting.



Redistricting is not annual but potential options are evaluated annually in the Feasibility Study.

From the receipt of planning funds until completion of a project, it typically requires a maximum of three years to plan and construct an elementary and/or middle school and four years for a high school. Some parts of the construction process can be expedited at cost.

Non-Capacity Projects

Capital projects which don't produce capacity are "systemic" and serve the long-term plans of HCPSS and the state of Maryland by keeping and maintaining the systems that support 30-40 year infrastructure investments. Most maintenance investments are covered by the operating budget and documented in the annual Comprehensive Maintenance Program published as a requirement of MSDE. Each year staff evaluate comprehensive maintenance program plans to identify projects that exceed regular maintenance and add these project to the capital improvement program as appropriate.

Renovations of existing schools are proposed when repairs of the structure's internal systems are no longer economically feasible. As the Comprehensive Facility Master Plan is updated using the results of ongoing facility assessments, specific projects are identified in the long-range master plan.

Types of Capital Projects

The decision to renovate an existing school involves the following considerations:

- Prioritization of needs based upon the current facility assessment.
- Optimal sequencing to ensure eligibility for state funding.
- Existing electrical, HVAC, roofing and/ or other major mechanical systems needs.
- Educational space needs.
- Health and Safety needs
- Americans With Disability Act (ADA) needs.
- Need to provide improved spaces for general teaching areas and/or supporting areas.

When renovating an older school there are multiple considerations of how to best balance the existing footprint of the building against requirements defined in newer versions of the educational specifications. Renovation guidelines have been developed to provide a set of standards, guidelines, and procedures for use by HCPSS administrative staff and architectural/engineering firms engaged in the planning and design of renovation work for the school system.

Roofing Projects

A well planned roofing program is critical to all other systems in a capital facility. When roofing systems wear, the damage from a failure can impact other systems and multiply costs. HCPSS regularly inspects roofing systems and provides reports to the State of Maryland. Planning and project execution must balance system warranties, state funding eligibility and the risk of maintenance deferral.

Playground Equipment

Elementary school students are stimulated by interesting and engaging playground installations. The playground planning process considers the needs of a wide range of ages and skills to develop strength, social skills, coordination, balance and motor planning. Each year various playgrounds are replaced, repaired or upgraded based upon need.



Types of Capital Projects

Relocatable Classrooms

Relocatable classrooms are pre-fabricated, stand-alone buildings which provide temporary capacity to a school to relieve overcapacity, provide temporary surge space during renovations/additions, or provide space for a school's program needs. Currently there are 235 modular/relocatable classrooms for Grades K-12 being used by the HCPSS, including several larger modular units of at least five classrooms.

In some cases modular units are integrated into a building's core facility, such as at St. John's Lane, and Waverly Elementary Schools, and Clarksville Middle School. These units are included in building capacity as they are considered permanent additions. In recent renovations modular units have been replaced like Bollman Bridge Elementary School. Similar plans are underway at Deep Run Elementary School and Patuxent Valley Middle School. The school system conducts annual reviews of the physical condition and usage of all relocatable/modular units. When units are inspected, the cost of repairs is weighed against the option of retiring the units.

Site acquisition and construction reserve

The selection and acquisition of appropriate school sites figures prominently in the development of a capital program. Each proposed school site is carefully evaluated prior to acquisition according to Board-approved selection criteria identified in Policy 6000 Site Selection and Acquisition. Delays in acquisition of suitable school sites may affect the timing of construction of needed schools, resulting in overcrowding situations. HCPSS continues to maintain a "land bank" to purchase potential sites or portions of land to augment sites. Larger sites identified in the subdivision review process may be reserved to be budgeted as line items in future capital budgets. This fund also is used as a reserve for unanticipated construction costs. Uses of the fund in this way has been infrequent.



Facility Use, Acreage, and Capital Projects

HCPSS Elementary Schools	Acreage	Current Relocatables	Original Construction Cost	Initially Complete	Renovations (R), Additions (A), Conversion (C), Projects
Atholton ES	12.31	3	\$ 447,569	1961	1980(A), 2001(R), 2002(R), 2006, 2007
Bellows Spring ES	40.00	5	\$ 15,105,663	2003	2009(A), 2011(A)
Bollman Bridge ES	16.95	2	\$ 6,274,000	1988	1994(A), 2008(C),2013(R/A)
Bryant Woods ES	9.25	4	\$ 695,406	1968	1983, 1984(A), 2004(R), 2007
Bushy Park ES	19.20	-	\$ 24,000,000	2007	(Replacement) replaced Old Bushy Park with a new school
Centennial Lane ES	11.22	5	\$ 1,101,140	1973	1987(A), 2007(R), 2008(A)
Clarksville ES	10.69	1	\$ 435,986	1964	1980(A), 1986 HVAC, 2002(R), 2006
Clemens Crossing ES	10.80	3	\$ 1,853,590	1979	1988(A), 2009(R)
Cradlerock ES	33.16	3	\$ 4,249,000	1976	1998(A), 2001(R), 2003(R), 2007, 1996 Dasher Green Head Start
Dayton Oaks ES**	22.74	-	\$ 21,804,000	2006	New school 2006
Deep Run ES	11.67	6	\$ 6,403,575	1990	1998(A), 2009(A)
Ducketts Lane ES	10.03	-	\$ 34,447,000	2013	New school 2013
Elkridge ES 48	8.581 shared	4	\$ 7,139,588	1992	1998, 2009(A)
Forest Ridge ES	20.85	5	\$ 6,050,000	1992	2001/2 (R)/(A), 2009(A)
	99.0 shared		\$ 6,156,161	1997	2003(A)/(R), 2006
Gorman Crossing ES	15.00		\$ 5,766,716	1998	2007,2013(A)
Guilford ES	11.00	5	\$ 216,278	1954	1959(R), 1982, 1986(A), 1989, 2006
	35.00 shared	1	\$ 2,381,673	1971	(includes Hammond MS & Hammond ES) 1987, 1988/9, 1996/7 (A), 2007, 2011(R/A)
Hollifield Station ES	14.50		\$ 6,017,889	1997	2002(R)/(A), 2009(A)
	27.22 shared	2		1996	2000/1, 2008(A)
Jeffers Hill ES	10.00		\$ 1,747,200	1975	1998/1999(R)
Laurel Woods ES	27.00	2	\$ 1,658,399	1973	1987(A), 2004(R), 2005(ROOFING PROJECT), 2008(A)
Lisbon ES	22.55	1	\$ 2,056,000	1976	1988(A), 2006
Longfellow ES	9.50	8	\$ 775,481	1970	1986(R), 1994(A), 2008(A)
Manor Woods ES	43.23	1	\$ 5,900,000	1994	2004(R)
Northfield ES	10.00	1	\$ 20,330,000	1968	1986(A), 2007, 2011(R/A)
Phelps Luck ES	10.00	7	\$ 1,036,792	1972	1989, 1999(A), 2007,2013(R/A)
Pointers Run ES	13.69		\$ 6,645,000	1991	2000, 2001/2, 2006, 2008(A)
Rockburn ES	8.74	1	\$ 5,849,000	1993	2004(A), 2007
Running Brook ES	9.00	3	\$ 776,406	1970	1984(A)/(REMODELING), 2004 (ROOF REPLACEMENT), 2006, 2014(A)
St. John's Lane ES	10.00	6	\$ 235,985	1954	1988(A), 1959, 1966, 1975(MODERNIZ)1988, 1995, 2000(A)/(R), 2009(A)
Stevens Forest ES	10.00	5	\$ 764,941	1972	1995(A),2013(R/A)
Swansfield ES	10.00	4		1972	1988(A), 1998(R), 2008(A)
Talbott Springs ES	10.00		\$ 1,224,800	1973	1999(SPRINKLERS), 2000(A) & (R), 2008(A)
Thunder Hill ES	14.93		\$ 14,515,430	1970	1987, 1988(A), 1988, 1989, 2007, 2012(R/A)
	78.3 shared	-	\$ 6,219,488	1998	2005(A), 2006
Veterans ES	23.66	6	\$ 19,000,000	2007	New school 2007
Waterloo ES	10.00	4		1964	1987(A)/(MODERNIZATION), 1998(A), 2009(R)
Waverly ES	11.49		\$ 6,669,587	1990	2007
West Friendship ES	17.85	-	unknown	1925	(7 rm school (1925)) 1950, 1962, 1971(MODERNIZATION), 1978(A), 2004(R), 2005(ROOF)
Worthington ES	19.69	1	\$ 2,385,850	1976	1989, 1998, 2007, 2008(R)

^{*} Estimated Investment: based on available records; in process of updating data. **Dayton Oaks shares 12.66 acres with Recreation and Parks play fields.

Facility Use, Acreage, and Capital Projects

Facility Use, Acreage, and Capital Projects

HCPSS Middle Schools	Acreage	Current Relocatables	Original Instruction Cost	Initially Complete	Renovations (R), Additions (A), Conversion (C), Projects
Bonnie Branch MS	27.22 shared	2	\$ 7,819,520	1999	1999(A)
Burleigh Manor MS	27.00	-	\$ 8,107,000	1992	
Clarksville MS	20.43	5	\$ 5,662,361	1979	2004, 2006(A), 2008®, 2010(Masonry)
Dunloggin MS	20.00	5	\$ 1,963,323	1973	1999(R)
Elkridge Landing MS	48.58	2	\$ 9,000,000	1995	
Ellicott Mills MS	16.22	3	\$ 9,430,537	1939	(Replacement) 1957, 1962, 1973, 2001
Folly Quarter MS	78.3 shared	-	\$ 11,077,000	2003	
Glenwood MS	30.00	6	\$ 1,179,168	1967	1999(R), 2000(R), 1986(Air Conditioning)
Hammond ES/MS	35.00 shared	3	\$ 22,650,672	1971	includes Hammond MS & Hammond ES, 2011
Harper's Choice MS	19.67	5	\$ 1,974,697	1973	1999(R), 2000
Lake Elkhorn MS	33.16 shared	1	\$ 4,244,500	1976	includes Dasher Green ES & Owen Brown MS
Lime Kiln MS	99.0 shared	-	\$ 8,420,400	1999	2005(A)
Mayfield Woods MS	27.00	2	\$ 8,501,354	1991	
Mount View MS	35.75	2	\$ 8,617,000	1993	
Murray Hill MS	25.00	6	\$ 7,858,000	1997	
Oakland Mills MS	20.00	-	\$ 1,803,876	1972	1998 (R)
Patapsco MS	21.13	2	\$ 1,391,791	1969	1974, 1996, 2003(R)/(A), 2004 (R)/(A)
Patuxent Valley MS	30.00	6	\$ 8,261,000	1989	
Thomas Viaduct MS	20.21	-	\$ 34,755,000	2014	
Wilde Lake MS	21.00	13	\$ 1,323,314	1969	1974, 1998(R)

HCPSS High Schools	Acreage	Current Relocatables	Original Construction Cost	Initially Complete	Renovations (R), Additions (A), Projects
Atholton HS	36.28	14	\$ 1,423,493	1966	1972, 1977, 1978, 1988, 1987(A), 1997(R), 2003(R)/(A),
Centennial HS	43.00	4	\$ 6,337,867	1977	1998(R), 2002(R)/(A), 2011(A)
Glenelg HS	40.94	-	\$ 56,345,257	1958	1963, 1967, 1969, 1971, 1972(R), 1986(A), 1988(A)/(R), 2003, 2008(A), 2009(Auditorium), 2011(HV/
Hammond HS	33.14	4	\$ 6,321,000	1976	1996(A), 1998®, 2011(A)
Howard HS	41.00	6	\$ 698,781	1951	1960, 1964,1971, 1975, 1977, 2001(A)/(R), 2002(R), 2004, 2006, 2009(Windows)
Long Reach HS	50.00	3	\$ 20,373,000	1996	
Marriotts Ridge HS	42.40	-	\$ 34,115,895	2005	
Mt. Hebron HS	40.05	4	\$ 55,560,000	1965	1968,1972,1976, 1977-1978,1983(MODERNIZATION), 1997-99(A), 2004(R), 2005(R), 2011
Oakland Mills HS	28.60	-	\$ 3,579,000	1973	1991-92(R), 1998(R), 2004(A)
Reservoir HS	99.0 shared	5	\$ 27,224,000	2002	
River Hill HS	64.2	-	\$ 21,473,000	1994	
Wilde Lake HS	31.25	-	\$ 21,202,391	1996	(Replacement)

HCPSS Countywide Schools	Acreage	Current Relocatables	Co	Original onstruction Cost	Initially Complete	Renovations (R), Additions (A), Projects
Applications & Research Lab	45.48 shared	-	\$	1,502,581	1968	1970, 1974, 1986, 1997/1998(R),2002(NEW ROOF), 2006
Cedar Lane Special	99.0 shared	-	\$	18,663,069	2005	2005(A)
Homewood	45.48 shared	1	\$	8,620,912	2002	

HCPSS Other Facilities	Acreage	Current Relocatables	Original Construction Cost	Initially Complete	Renovations (R), Additions (A), Projects
Admin. Building(Harriett Tubman)	3.58	-	\$ 256,664	1948	1953, 1956
Admin. Building(Central Office)	45.48 shared	4	\$ 3,657,660	1980	
Old Bushy Park	12.00 shared	-	\$ 2,931,991	1976	1988(A), school replaced 2007
Faulkner Ridge Resource Center	9.01	-	\$ 750,174	1969	
Old Cedar Lane	11	-	\$ 3,839,731	1981	

Land Bank as of July 1, 2014

The Board maintains ownership and/or the rights to purchase parcels of land for future school sites, commonly known as the "Land Bank." The following schedules detail the current land in the Land Bank.

The Board currently owns the following properties and is holding them in a land bank for future school construction.

Owned Sites	Acreage	Location	Date Acquired	Cost
Sunny Spring Drive ¹	10	Sunny Spring Drive	1974 \$	1
Future M.S. Site ²	41±	2865 Marriottsville Road	2007 \$	1,700,000
Future School Site ³	8 ±	Banbury Dr. Parcel G	2013 \$	4,200,000
Faulkner Ridge Center ¹	9.01	Marble Faun Lane	1968 \$	1

The following properties are held by other parties for the future use by the Board of Education for school construction. Upon need for a school site, the Board may utilize these properties.

Reserved Sites	Acreage	Location
Clary's Forest	10±	Little Patuxent Parkway near Bright Passage
Dickinson	11±	Eden Brook Drive and Weather Worn Way
Dickinson	20±	Sweet Hours Way east of Eden Brook Drive
Harper's Choice	5±	Rivendell and Cedar Lane
Hopewell	10±	Rustling Leaf at Deepage Drive
Huntington	11±	Vollmerhausen Road east of Murray Hill Road

- (1) Rouse sold the land to HCPSS for \$1
- (2) The Future M.S. Site was acquired in a property swap with additional financial consideration for the Locust Park site (10 acres on Tamar Drive)
- (3) The land developer paid \$4M toward the property, reducing the total cost to \$4.2M for HCPSS.



Recent Capital Accomplishments

HCPSS completed a number of impressive projects in the past year which provided urgently needed capacity and necessary renovations.

New Facilities

Ducketts Lane Elementary School

The Ducketts Lane ES was built to provide relief to crowded schools in the northeast region. The environmental sustainability features of the building attained a LEED gold rating. The building is central to the neighborhood and has already become a popular center for the community. Ducketts Lane ES is a feeder to Thomas Viaduct MS and will serve enrollment growth in advance of the opening of New ES #42.



Thomas Viaduct Middle School



The Thomas Viaduct MS was built to provide relief to crowded schools in the northeast region. The environmental sustainability features of the building attained a LEED silver rating. The building is central to a new community called Oxford Square which is built as a walking community with access to the MARC station. The entire community is planned to attain a LEED gold rating.

Renovated Facilities

Bollman Bridge Elementary School

The Bollman Bridge ES project completely renovated an existing one-story building, including the addition of a four-classroom pod and the replacement of a temporary modular addition housing four classrooms for the third grade teaching pod with a permanent structure. This investment is the first of two major school projects in the Savage area as this budget includes funding for Patuxent Valley Middle School.



Longfellow Elementary School

The Longfellow ES project renovated an existing single story facility originally constructed in 1970 and

renovated in 1987. The primary focus was conversion of the open space teaching pods into individual classrooms. In addition, the administrative suite was relocated to the front entrance, and the health suite was developed to meet current standards. In providing this reconfiguration, a design direction was taken that improves the current use and flow of the building. Departing from the open pod concept, grade clusters are formed to maintain cohesion between the individual grade levels. To aid in the interior renovations of the school, several additions were built to relocate key programs within the building to free interior space.



Phelps Luck Elementary School Renovations

Phelps Luck Elementary School is a single story facility with a high volume space including a cafetorium and gymnasium. The original facility was constructed in 1971 with additions and renovations in 1989, 1998, and



the most recent kindergarten addition in 2006. The school had up to eight temporary portable classrooms prior to the renovation. The primary focus of this project was to address the conversion of the open space teaching pods into individual classrooms. In addition to the conversion of the teaching pods, the entire roof on the original 1971 building was replaced, the administrative area was reconfigured, and the health suite was upgraded to current standards. Open concept pods were replaced with enclosed classrooms and grade clusters were formed to maintain cohesion between the individual classrooms. To aid in the interior renovations of the school, several

additions were built to relocate key programs.

Running Brook Elementary School Addition

The Running Brook ES project addressed the population growth of Columbia West region due to the

redevelopment of the Columbia Mall into a high density mixed use community. To address this growth, the project provided at least 100 seats of additional classroom space by adding a two-story addition, cafetorium expansion and additional core infrastructure space necessary to operate effectively as a larger school. This expansion improved the utility and effectiveness of the existing academic support spaces.



Stevens Forest Elementary School Renovations

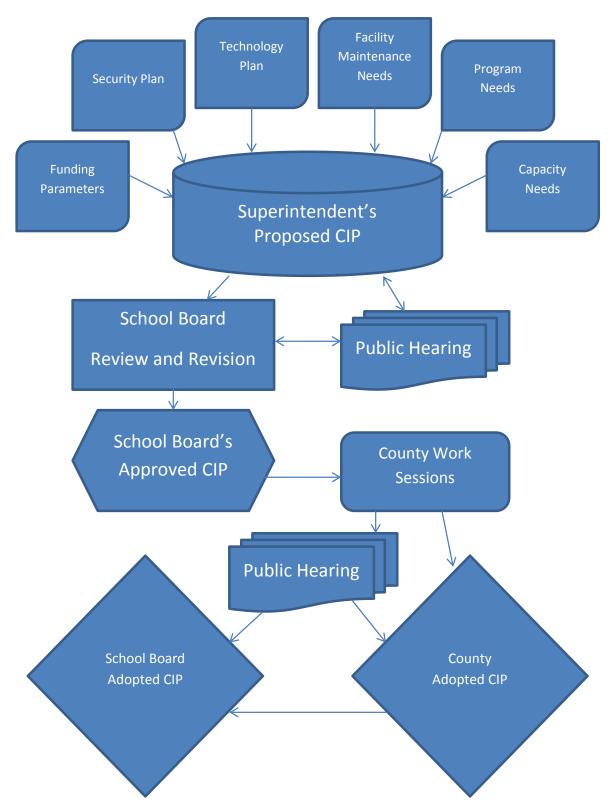
The Stevens Forest ES renovation included programmatic, systemic, and physical upgrades. The main objective was to enclose classrooms within the existing pod footprint and structural bearing walls. Additional programmatic changes included expanding the existing health suite and provision of adequate space for specialized and adjunct classrooms and support areas. Activities in portables were accommodated in the renovated building. Systemic upgrades included complete replacement of the mechanical system, new plumbing fixtures, upgraded electrical service, and new lighting. Energy efficient fixtures and systems are a highlight of the design. Physical upgrades included a roof replacement, refinished gym floor, new doors and hardware, additional exterior windows, new casework, and new finishes. Three additions accommodate program and building function.



Ducketts Lane ES includes an enviornmental study area that makes use of the storm water management pond on the school site.



Capital Improvement Program (CIP) Development Process



Calendar for Development and Review/Approval

FY 2016 Capital Budget

Capital Improvement Program FY 2017–2021 Long-Range Master Plan FY 2016–2025

Thursday, June 26, 2014 7:30 p.m. – Board Room	Staff presentation of Feasibility Study Report including 2014 enrollment projection.
Thursday, August 14, 2014 7:30 p.m. – Board Room	Board of Education Public Hearing and Pre-Development Work Session.
Thursday, September 11, 2014 7:30 p.m. – Board Room	Staff presentation of the Superintendent's Proposed Capital Budget.
Thursday, September 23, 2014 7:30 p.m. – Board Room	Board of Education Public Hearing on Superintendent's Proposed Capital Budget. Work Session and Approval of Superintendent's Proposed Capital Budget following the Public Hearing.
Monday, October 6, 2014	Board of Education submission of Proposed Capital Budget to Maryland Public School Construction Program.
Thursday, October 16, 2014	Planning Board Public Hearing on Board of Education's Proposed Capital Budget.
Wednesday, October 29, 2014 4:30 p.m.	County Council review of Board of Education's Proposed Capital Budget for letter of support to Interagency Committee on School Construction.
Thursday, February 24, 2015 9:00 a.m. – Board Room	Board of Education Adoption of the Requested Capital Budget.
Mid-March	Board of Education submission of the Requested Capital Budget to the County Executive and Budget Administrator.
Thursday, April 16, 2015 7:30 p.m.	County Executive Public Hearing on Capital Budget.
7.30 μ.π.	
Monday, April 20, 2015 7:00 p.m.	County Executive presentation of the Capital Budget.
Monday, April 20, 2015	County Executive presentation of the Capital Budget. Board of Education Public Hearing.
Monday, April 20, 2015 7:00 p.m. Thursday, May 7, 2015	
Monday, April 20, 2015 7:00 p.m. Thursday, May 7, 2015 7:30 p.m. – Board Room Tuesday, May 12, 2015	Board of Education Public Hearing. County Council Public Hearing on the Education portion of the County Executive's
Monday, April 20, 2015 7:00 p.m. Thursday, May 7, 2015 7:30 p.m. – Board Room Tuesday, May 12, 2015 7:00 p.m. Wednesday, May 20, 2015	Board of Education Public Hearing. County Council Public Hearing on the Education portion of the County Executive's Capital Budget.
Monday, April 20, 2015 7:00 p.m. Thursday, May 7, 2015 7:30 p.m. – Board Room Tuesday, May 12, 2015 7:00 p.m. Wednesday, May 20, 2015 11:00 a.m. Monday, June 1, 2015	Board of Education Public Hearing. County Council Public Hearing on the Education portion of the County Executive's Capital Budget. County Council Adoption of the Capital Budget. Staff pre-file of the Adequate Public Facilities Ordinance Open/Closed Chart to
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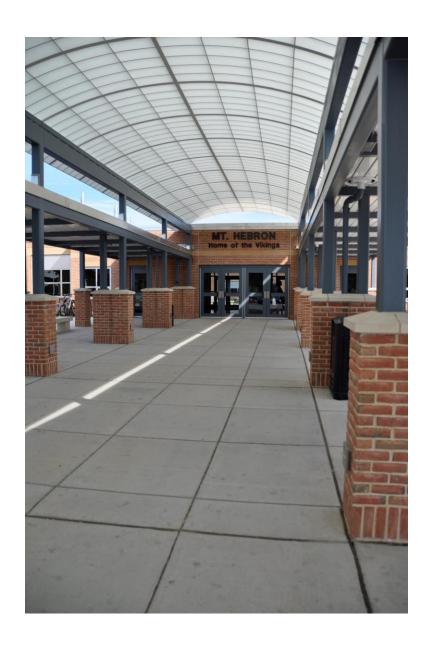
Howard County Public School System

Board of Education's Approved FY 2016 Capital Budget

Capital Improvement Program FY 2017–2021 Long-Range Master Plan FY 2016–2025

System Information

June 2015

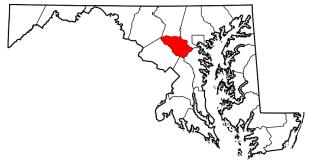


Howard County At A Glance

The Howard County Public School System (HCPSS) is among the nation's highest performing school districts, with the vast majority of students exceeding achievement standards and going on to higher education. The HCPSS has received national attention for providing a world-class education. The school system's excellence contributed to *CNN/Money* magazine ranking Columbia and Ellicott City #8 in the 2012 "Best Places to Live in America" list.

About Howard County

Howard County, Maryland is a suburban community of over 290,000, situated midway along the Baltimore-Washington corridor. It is a county of contrast—a blend of old and new, urban and rural, historical and progressive. The county's borders encompass Ellicott City, one of the country's oldest towns, and Columbia, a planned community conceived and designed over 40 years ago by the Rouse Company.



Howard County boasts a number of historical landmarks, including the Bollman Truss Railroad Bridge, the Thomas Viaduct, and nine sites along the Maryland Civil War trails.

The county's 30 regional and community parks, 7 golf courses, 5 lakes, and extensive hiking and biking trails also contribute to the \$590.1 million in annual tourism revenue.

Howard County Fast Facts

- 95.1% of the population over 25 has graduated high school. (MD State 88.5%)
- 59.5% hold a bachelor's degree or higher. (MD State 36.3%)
- \$107,821 is the median household income, 3rd highest in the country.
- 74.2% homeownership rate with median value of owner-occupied housing of \$435,300.
- 250.74 square miles land area and 1,144.9
 persons per square mile. (MD State land
 area 9,707.24 square miles and 594.8
 persons per square mile.) Howard County is
 smallest Maryland County by land area.
- 3.9% unemployment rate as of April 2014, lowest rate in Maryland. (MD State 5.3%)

Howard County Race/Ethnicity

	Howard	Maryland
Amarican Indian/Alaskan	County	<u> </u>
American Indian/Alaskan	0.4%	0.5%
Asian	15.7%	6.0%
Black/African American	18.1%	30.0%
Hawaiian/Pacific Islander	0.1%	0.1%
Hispanic/Latino	6.2%	8.7%
White	62.3%	60.8%
Two or More Races	3.4%	2.5%
2012 US Census Bureau Data		

HCPSS Facilities At A Glance

The Howard County Public School System (HCPSS) maintains well over seven million square feet of school facilities and other buildings in service of delivering the educational program and for use by the community. The school system owns or controls approximately 1,827 acres of land. Approximately seven percent of HCPSS staff are devoted in some way to the maintenance of facilities.



HCPSS Facilities

76 schools

- 41 elementary schools
- 20 middle schools
- 12 high schools
- 3 special schools

Ancillary Facilities

Ascend One (Lease ending 2014)

Central Office

Amberton Drive (Leased Storage) Dorsey Building (Shared Space)

Faulkner Ridge (Vacant)

Harriet Tubman (Offices and Shops)

Ridge Road Center (Shops)

Old Bushy Park (Storage)

Old Cedar Lane (Offices)

Average CEFPI Rating*			
Elementary	Middle	High	
859	862	792	

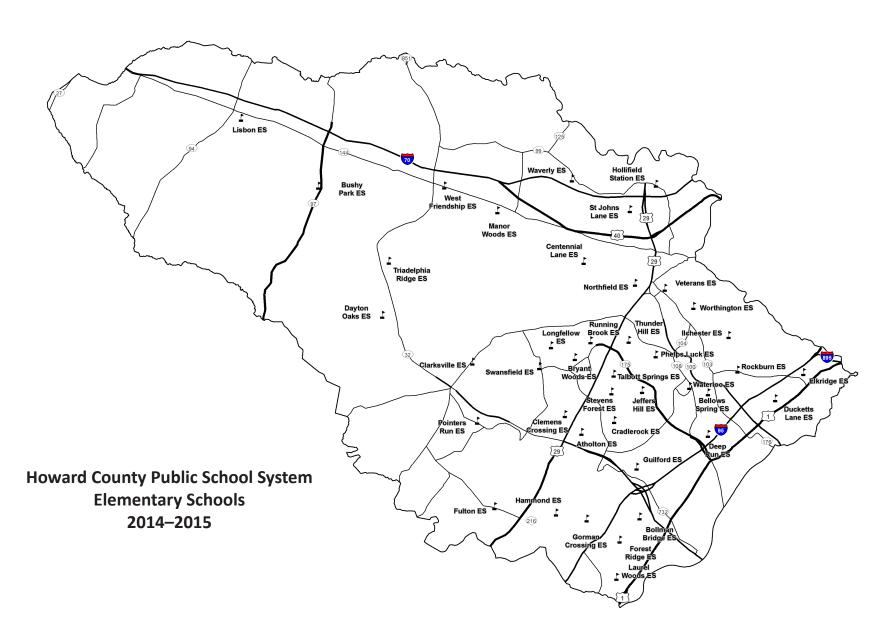
^{*}Average score on 1,000 pt. scale based upon Council of Educational Facility Planners International Appraisal Guides

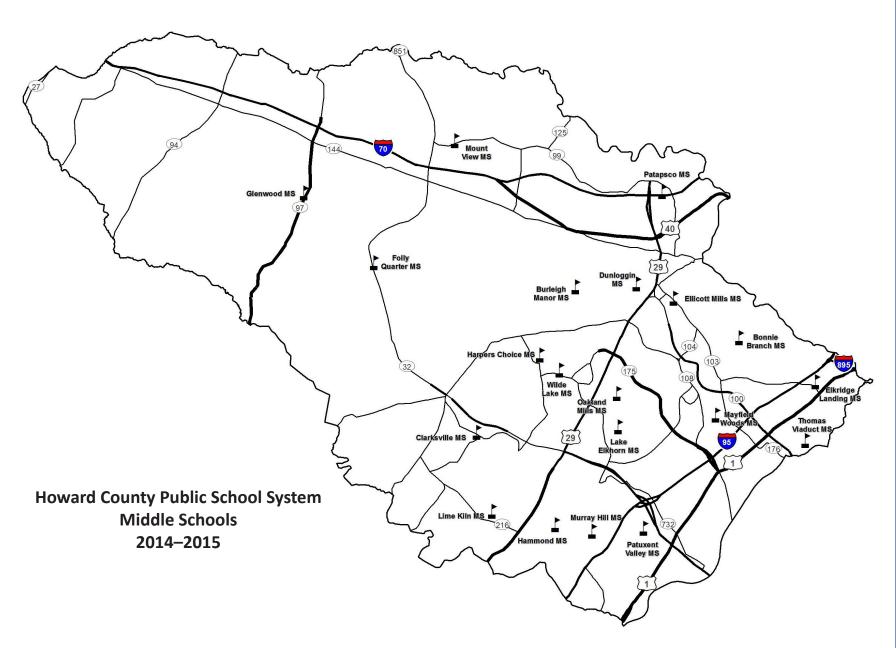
Average Age of Facilities*			
Elementary	Middle	High	
13 years	15 years	16.5 years	

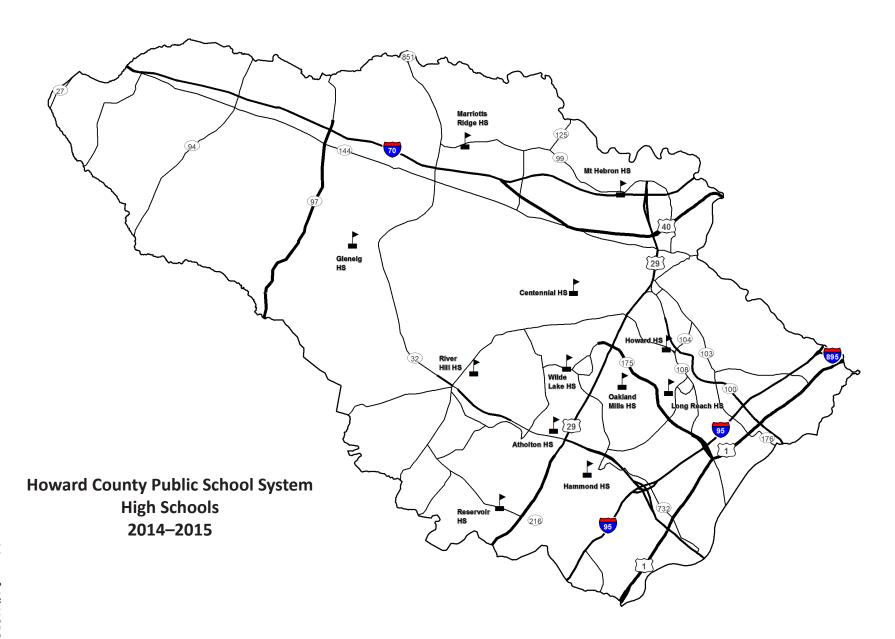
^{*}Including completed renovations

Enrollment*			
Total Enrollment (Pre-K-12)	52,799		
Elementary (Pre-K-5)	24,445		
Middle (6–8)	11,890		
High (9–12)	16,378		
Special Schools	86		

^{*}Official September 30, 2013 Enrollment Report







Howard County Public School System

Board of Education's Approved FY 2016 Capital Budget

Capital Improvement Program FY 2017–2021 Long-Range Master Plan FY 2016–2025

Project Detail

June 2015

Wilde Lake Middle School (Grades 6-8) REPLACEMENT SCHOOL

Project 1031

10481 Cross Fox Lane, Columbia, MD 21044 http://wlms.hcpss.org/

Lisa Smithson, Principal 410-313-6957



Building Data	
Year Built	1969
Age	45
Site Area (acres)	21
Last renovation/addition	1998
Current Relocatables	4
Current Capacity	467
9/30/13 Enrollment	546

Projections / Capacity Utilization		
2014 Projection	541	
Projected Utilization	116%	
2019 Projection	741	
Projected Utilization	159%	
Post-renovation Cap.	760	
Projected Utilization	98%	

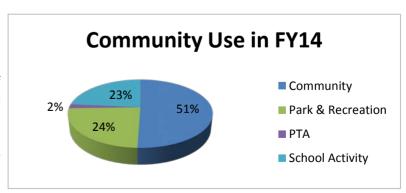
Project Purpose

The Wilde Lake Middle School project will replace an aging middle school with a larger modern facility in an area slated for growth. The replacement school will provide capacity for 760 students. A 2008 facility assessment concluded that the WLMS building had a net program area deficiency of 13.6 percent, the largest deficiency of educational program area of the 19 middle schools operating at that time. A subsequent feasibility study determined that the cost of an Americans with Disabilities Act (ADA) compliant renovation was comparable to a replacement.

Nearly twice as large as the current school but using less than half the energy, the new facility will be a showcase of energy efficiency. Solar power will allow the net draw from the power grid over the course of a year to be zero. This kind of capital investment can defray operating expenses. The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Community Use at Wilde Lake Middle School

Over 1,900 reservations brought citizens and students into Wilde Lake MS after school hours and on weekends for a variety of community and student programs, meetings, activities and events. An attendance of 209,000 was recorded for these activities. Athletic events, after school activities, performance arts events and camps accounted for the majority of the facility use. Other uses, which include training, elections and other activities, make up the balance of reservations.

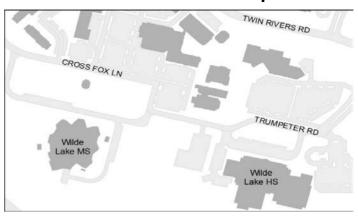


Wilde Lake Middle School Project 1031

Wilde Lake Middle School, located in Columbia, was opened in 1969 as an open concept school and was expanded in 1974. In 1998, it was renovated with classrooms enclosed. During the summer of 2009, Wilde Lake MS went through minor renovations including some miscellaneous interior finishes and demountable partitions.

This building will be Net Zero and US Green Building Council (USGBC) LEED Certified. The building will be powered by solar voltaic cells on the roof. The architectural design is highly efficient considering building orientation, mass, and scale. Daylight is well used. The mechanical systems finely control electric lighting and HVAC and controls. Training will help school based staff make the most of energy efficient design. These considerations position the new Wilde Lake Middle School to be the most energy conscious and efficient school in the state.

School Location Map



Budget Summary

Approved Appropriations

FY 2014	Planning	\$ 2,658
FY 2015	Construction	8,200

Current & Future Requests

FY 2016	Construction	18,234
FY 2017	Construction	12,895

Total Project Cost Estimate	Ş	41,987

This is the third year of funding for Wilde Lake Middle School. During FY 2016, the second year of construction will be implemented. The requested sum of \$18.2 million in FY 2016 will allow construction to progress on schedule. Based upon the current plan, the Board will request a final appropriation for this program in FY 2017 of \$12.9 million to complete work and have the replacement school ready to open in August 2017.





A net zero building generates the energy it uses over the course of a year.

Project Timeline

Task Phase (Calendar Year)	2014	2015		2016	2017	
Feasibility Study	3m					
Planning and Design		12m				
Contract Bidding and Award			6m			
Construction				18	3m	
Close Out						2m

The above chart shows the calendar year timeline for planning and constructing for this project (in months). The Wilde Lake Middle School Replacement project is scheduled for completion in August of 2017.

Wilde Lake Middle School Project 1031

Patuxent Valley Middle School (Grades 6-8)

RENOVATION

Project 1033

9151 Vollmerhausen Road, Jessup, MD 20794 http://pvms.hcpss.org/

Robert Motley, Principal 410-880-5840



Building Data	
Year Built	1989
Age	25
Site Area (acres)	30
Last renovation/addition	N/A
Current Relocatables	6
Current Capacity	760
9/30/13 Enrollment	680

Projections / Capa	city Utilization
2014 Projection	685
Projected Utiliza	ition 90%
2019 Projection	838
Projected Utiliza	tion 110%

Project Purpose

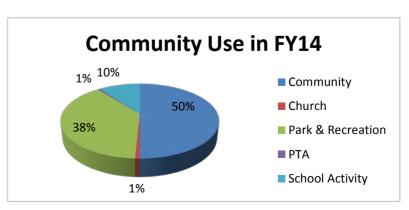
The Patuxent Valley Middle School project will expand educational program spaces and renovate the existing facility to remedy deficiencies in the design, particularly to improve operation and security. Open teaching stations will be reconfigured into self-contained classrooms. Operable walls will be replaced with full height drywall partitions. Modular classrooms will be replaced with permanent additions to the building that will accommodate the classroom spaces and necessary program areas.

The project will include a complete systemic renovation of the existing building including new electrical, mechanical, plumbing, sprinkler, technology, roofing, and life safety systems. Ceilings will be removed and replaced, toilet rooms will be renovated, and ADA accessibility will be addressed to bring the facility into compliance with the HCPSS Guidance Manual for Renovations and Modernizations of Existing Schools.

Patuxent Valley MS will be another USGBC LEED Certified school facility for Howard County. The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Community Use at Patuxent Valley Middle School

Over 852 community use reservations were registered for Patuxent Valley MS in FY 2014. An attendance of 40,310 was recorded for a variety of community and student programs, meetings, activities and events. Athletic events accounted for the majority of facility use. Other uses, which include after school activities and educational activities, make up the remaining reservations.



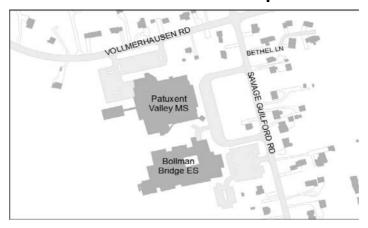
Patuxent Valley MS opened in 1989 with a group of six (6) modular classrooms connected to the building by a covered walkway sometime thereafter. No renovations to the 97,445 square foot school have occurred since the building was originally constructed.

The 2008 facility assessment of middle schools concluded that PVMS had a net 12.7% surplus of educational program area. While the net area meets specification, in 2013 Gilbert Architects found deficiencies in the design.

The systemic upgrades consist of a complete renovation of the existing building including new electrical, mechanical, plumbing, technology, roofing, and life safety systems with an emphasis on energy efficiency. The physical upgrades include relocating the administration office to the main floor, repurposing the oversized library space, reconfiguring the cafeteria access to playground and bathrooms, and providing daylighting throughout the building. ADA improvements will include elevator access to the second floor from the main entrance lobby/stair tower and an upgrade to the Health Suite to present standards.



School Location Map



Ві	udget Sum	mary	
Approved Appropri	riations		
FY 2015	Planning	\$	8,145
Current & Future R	Requests		
FY 2016	Construction		10,000
FY 2017	Construction		10,385
-			.,
Total Project Cost	Estimate	\$	28,530

This is the second year of funding for Patuxent Valley Middle School. During FY 2016, the first year of construction will be implemented. The requested sum of \$10 million in FY 2016 will allow construction to progress on schedule. Based upon the current plan, the Board will request a final appropriation for this program in FY 2017 of \$10.4 million to complete work by August 2017.

The view on the left shows he second floor administrative offices with an overlook on school operations. Renovation will move the administrative suite to the first floor with a secure vestibule for controlled egress to the building.

Project Timeline

Task Phase (Calendar Year)	2013	2014		2015	2016	2017
Feasibility Study	3m					
Planning and Design		12m				
Contract Bidding and Award	_		3m			
Construction					32m	
Close Out						2m

The above chart shows the calendar year timeline for planning and constructing for this project (in months). The Patuxent Valley Middle School Renovation project is scheduled for completion in August 2017.

Swansfield Elementary School (Grades K-5) RENOVATION/ADDITION

Project 1034

5610 Cedar Lane, Columbia, MD 21044 http://ses.hcpss.org/

Molly Ketterer, Principal 410-313-6907



Building Data	
Year Built	1972
Age	42
Site Area (acres)	10
Last renovation/addition	2008
Current Relocatables	4
Current Capacity	528
9/30/13 Enrollment	560

Projections / Capacity Utili	zation
2014 Projection	562
Projected Utilization	106%
2019 Projection	557
Projected Utilization	105%
Post-renovation Cap.	628
Projected Util. 2019	89%

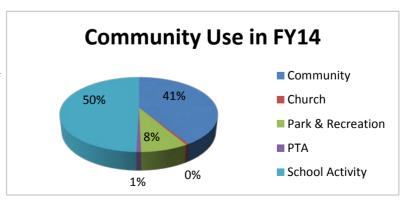
Project Purpose

The Swansfield Elementary School project will expand educational program spaces with 100 seats of new capacity and renovate the existing facility. Swansfield Elementary School was opened in 1972 and renovated in 1998. The school was expanded in 1988 and 2008. In April 2009, HCPSS engaged Gilbert Architects Inc. to conduct a facility assessment of elementary schools. The report concluded that Swansfield ES had 12.3 percent deficiency of educational program area of the 40 elementary schools operating at that time. The FY 2015 capital budget introduced this project to the Capital Improvement Program. In previous budgets, it was listed as a systemic renovation. In the FY 2015 Capital Budget, the total project cost was estimated at \$19.4 million. In the FY 2016 budget the total project cost estimate is \$25.1 million. The \$5.6 million increase is mainly attributed to the new plan including an addition.

The complete scope of this project will be defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Community Use at Swansfield Elementary School

Over 2,900 reservations brought citizens and students into Swansfield ES after school hours and on weekends for a variety of community and student programs, meetings, activities and events. An attendance of 203,860 was recorded for these activities. After school activities and athletic events accounted for much of the facility use. Other uses, which include child care and camps, make up the remaining reservations.

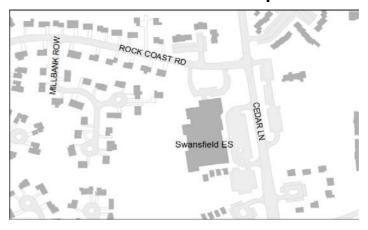


The planned scope of work for the school includes programmatic, systemic, and physical upgrades as required bringing the facility into compliance with the Howard County Public School System Guidance Manual for Renovations and Modernizations of Existing Schools. The programmatic changes include providing individual classrooms and corridors, creating a COMAR compliant health suite, and providing adjunct space to relocate existing portable classrooms inside of the building.

The systemic upgrades consist of a complete renovation of the existing building including new electrical, mechanical, plumbing, technology, roofing, and life safety systems with an emphasis on energy efficiency. The physical upgrades include a refinished gymnasium floor, new doors and hardware, additional exterior windows, as well as new casework and finishes. The project will provide additional capacity of 100 seats and core infrastructure space necessary to operate effectively at the larger capacity.



School Location Map



Budget Summary Approved Appropriations FY 2015 **Planning** 1,898 **Current & Future Requests** FY 2016 Construction 9,875 FY 2017 Construction 11,567 FY 2018 Construction 1,751 **Total Project Cost Estimate** 25,091

This is the second year of funding for Swansfield Elementary School. During FY 2016, the first year of construction will be implemented. The requested sum of \$9.8 million in FY 2016 will allow construction to progress on schedule. Based upon the current plan, the Board will request a final \$11.6 million in FY 2017 and \$1.8 million in FY 2018 to complete work and have the school ready by August 2018.

Project Timeline

Task Phase (Calendar Year)		2015	2016	2017	2018	
Feasibility Study	3m					
Planning and Design		12m				
Contract Bidding and Award			6m			
Construction				24m		
Close Out						2m

The above chart shows the calendar year timeline for planning and constructing for this project (in months). The Swansfield Elementary School Renovation/Addition project is scheduled for completion in August 2018.

Waverly Elementary School (Grades K-5) RENOVATION/ADDITION

Project 0973

10220 Wetherburn Road, Ellicott City, MD 21042 http://waves.hcpss.org/

Kathy Jacobs, Principal 410-313-2819



Building Data	
Year Built	1990
Age	24
Site Area (acres)	11.49
Last renovation/addition	2007
Current Relocatables	3
Current Capacity	675
9/30/13 Enrollment	724

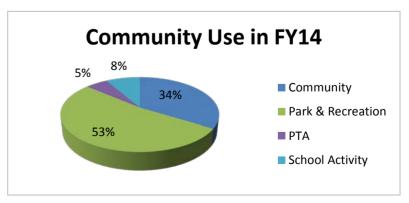
Projections / Capacity Utili	zation
2014 Projection	732
Projected Utilization	108%
2019 Projection	635
Projected Utilization	94%
Post-renovation Cap.	775
Projected Util. 2019	82%

Project Purpose

The Waverly Elementary School project will expand educational program spaces with 100 seats of new capacity and renovate the existing facility. Waverly Elementary School opened in 1990 and was renovated in 2007 to accommodate full day kindergarten. The 2009 facility assessment of elementary schools concluded that Waverly ES had 14.6 percent deficiency of educational program area of the 40 elementary schools operating at that time. The FY 2015 Capital Budget introduced this project in the Capital Improvement Plan (CIP). In previous budgets, it was listed as a systemic renovation. In the FY 2015 capital budget, the total project cost was estimated at \$25.6 million. In the FY 2016 budget, the total project cost estimate is \$27.1 million. The \$1.7 million increase is mainly attributed to the new plan including an addition. The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Community Use at Waverly Elementary School

Waverly ES hosted over 1,620 after school and weekend activities for a variety of community and student programs, meetings, activities and events. An attendance of 91,297 was recorded for these activities. Athletic events accounted for approximately half of the facility use. Other uses, which include child care and after school activities make up the balance of reservations.

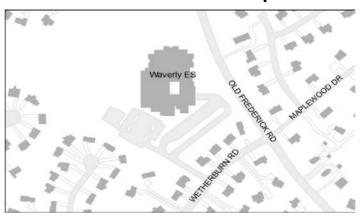


The project calls for an expansion of the educational program spaces and renovation of the existing facility. This will consist of a complete systemic renovation of the existing building including new electrical, mechanical, plumbing, technology, roofing, and life safety systems as applicable per the recent feasibility assessment survey. The project will provide 100 seats of additional classroom space and core infrastructure space necessary to operate effectively at the larger capacity. Interior spaces will be reconfigured, new finishes provided, accessibility improved, and new spaces added as required bringing the facility into compliance renovation specifications.



The Waverly ES Addition supports a long term plan as described in the Feasibility Study. In 2015 and beyond, Manor Woods ES is projected to be above the 110 percent capacity utilization standard and eventually trends above 200 percent. Manor Woods ES is not on public sewer and for that reason expansion is unlikely. Constructing this addition in 2018 can help relieve overcrowding at Manor Woods ES. Beyond that, a new elementary school in Turf Valley that is sized to the current educational specifications is needed after 2020 and could serve as a replacement for West Friendship ES.

School Location Map



Budget Summary							
Approved Appro	priations						
FY 2015	Planning*	\$	2,421				
Current & Future	Requests						
FY 2016	Construction		3,770				
FY 2017	Construction		6,430				
FY 2018	Construction		16,898				
Total Project Cos	t Estimate	\$	27,098				

^{*}Planning funds received in Systemic Renovation Project.

This is the second year of funding for Waverly Elementary School. Planning funds were received in the Systemic Renovation Line in FY 2015. During FY 2016, the first year of construction will be implemented. The requested sum of \$3.8 million in FY 2016 will allow construction to progress on schedule. In FY 2017 and FY 2018, an additional \$23.3 million is planned to complete work and have the school ready by August 2018.

Project Timeline

Task Phase (Calendar Year)	2015	2016		2017	2018	
Feasibility Study	3m					
Planning and Design		12m				
Contract Bidding and Award			6m			
Construction				1	8m	
Close Out						2m

The above chart shows the anticipated calendar year timeline for planning and constructing for this project (in months). The Waverly Elementary School Renovation/Addition project is scheduled for completion in August 2018.

New Elementary School #42 (Grades K-5) NEW SCHOOL

Project 1028

School Site potentially located adjacent to Thomas Viaduct Middle School at 7000 Banbury Drive, Hanover, MD



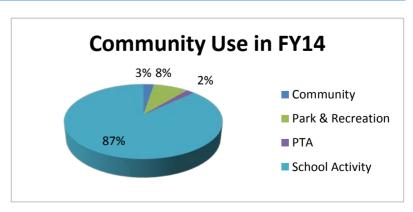
Architect rendering of Ducketts Lane Elementary School courtesy of Grimm + Parker Architects. This is the newest HCPSS elementary school based on the current education specifications.

Project Purpose

The New Elementary School #42 will be a new facility. Capacity utilization at Ducketts Lane ES, which opened in August 2013, in the northern Route 1 corridor, will continue to grow. Even with additional capacity that may have been found in the Gilbert study, we have know that at least one additional elementary school is needed in the eastern part of the county. The region will exceed 115 percent utilization in 2018 and require close to 1,000 additional seats. The recently completed comprehensive zoning increased the entire housing projection this year by 996 units, most of which was in the East. This capital budget recommends completion of Elementary School #42 in 2018 one year earlier than was shown in the FY 2015 Capital Budget. Planning is initiated in FY 2016. The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Community Use at neighbor school Ducketts Lane Elementary School

Community use is anticipated in the planning for this new facility. Ducketts Lane ES serves as a comparison. Ducketts Lane hosted 87,917 attendees for over 3,394 reservations after school hours and on weekends for a variety of events. The majority of the events were school related, and remaining reservations were Park and Recreation and other community events.



The New Elementary School #42 will be designed in conformance with the General Educational Specifications for New Elementary Schools published in June 2003. The building design will provide the best possible learning environment for all elementary students in every aspect of educational program by providing inclusive learning spaces, state-of-the art technology, and sustainable building practices. The prototype is a two-story elementary school designed for a 788 student capacity. The new school will accommodate prekindergarten through fifth grade, as well as the Regional Early Childhood Center. The project will achieve USGBC LEED Gold certification in keeping with the sustainable goals of HCPSS to reduce negative impact on the environment and enhance health and comfort of the building occupants, thereby improving building performance.



A school site is located adjacent to Thomas Viaduct Middle School at 7000 Banbury Drive, Hanover, MD.



Budget Summary

Current & Future Requests

FY 2016	Planning	\$ 2,807
FY 2017	Construction	11,640
FY 2018	Construction	23,633
FY 2019	Construction	2,460
Total Project Cos	st Estimate	\$ 40,540



Transit-oriented developments (TOD) are densely arranged communities of homes, offices, and stores near a rail station or bus line. Oxford Square situated very close to the Dorsey Marc station and will have a community shuttle until a pedestrian access can be constructed.

Project Timeline

•						
Task Phase (Calendar Year)	2015	2016		2017	2018	
Feasibility Study	3m					
Planning and Design		12m				
Contract Bidding and Award			6m			
Construction				18	8m	
Close Out						2m

The above chart shows the anticipated calendar year timeline for planning and constructing for this project (in months). The New Elementary School #42 project is scheduled for opening in August 2018.

Oakland Mills Middle School (Grades 6-8)

LIMITED RENOVATION

Project 1036

9540 Kilimanjaro Road, Columbia, MD 21045 http://omms.hcpss.org/

Kathy Orlando, Principal 410-313-6937



Building Data	
Year Built	1972
Age	42
Site Area (acres)	20
Last renovation/addition	1998
Current Relocatables	0
Current Capacity	506
9/30/13 Enrollment	437

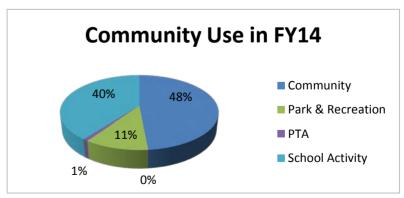
Projections / Capacity Utilization				
2014 Projection	462			
Projected Utilization	91%			
2019 Projection	518			
Projected Utilization	102%			

Project Purpose

The Oakland Mills Middle School project will renovate the existing facility. Oakland Mills Middle School opened in 1972 and was renovated in 1998. In August 2008, HCPSS engaged Gilbert Architects Inc. to conduct a facility assessment of middle schools. This project evaluated and scored each school according to the Council of Educational Facilities Planners, International (CEFPI) appraisal guidelines. The assessment included reviewing each school's plan layouts and measurements of spaces to compare to the educational specifications developed by HCPSS for middle schools. The report concluded that Oakland Mills MS had 8.8 percent deficiency of educational program area of the 19 middle schools operating at that time. The FY 2016 capital budget introduces this project to the Capital Improvement Plan. In previous budgets, it was listed as a systemic renovation. In the FY 2015 capital budget the total project cost was estimated at \$26 million. In the FY 2016 budget the total project cost estimate is \$14 million. The \$12 million decrease is attributed to the decision to scope this project as a limited renovation. The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Community Use at Oakland Mills Middle School

Citizens and students spent nearly 4,000 hours at Oakland Mills MS after school hours and on weekends for a variety of community and student programs, meetings, activities and events. An attendance of 48,472 was recorded for these activities. Athletic events accounted for approximately half of the facility use. After school activities and child care are included in the remaining reservations.



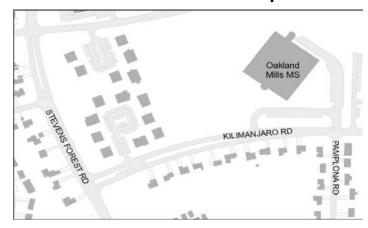
Oakland Mills Middle School Project 1036

The project calls for a limited renovation the existing building in accord with recommendations of a future feasibility study or scope of work review. Renovation may include new electrical, mechanical, plumbing, technology, roofing, and life safety systems as applicable per the scope of work. Some Interior spaces will be reconfigured, new finishes provided, accessibility improved, and new spaces added as required bringing the facility into compliance with the Howard County Public School System Guidance Manual for Renovations and Modernizations of Existing Schools.





School Location Map



Budget Summary							
Approved Appropriations							
FY 2015	Planning*	\$	2,300				
Current & Future	•						
FY 2017	Construction		4,000				
FY 2018	Construction		5,000				
FY 2019	Construction		5,000				
Total Project Cost Estimate \$ 14,000							

*Planning funds received in Systemic Renovation Project.

The second year of funding for Oakland Mills Middle School wil be in FY 2017. Planning funds were received in the Systemic Renovation Line in FY 2015. During FY 2017, the first year of construction will be implemented. The requested sum of \$14 million in FY 2017 through FY 2019 will allow construction to progress on schedule and work to be completed by August 2019.

Project Timeline

Task Phase (Calendar Year)	2016	2017	2017		2018	2019	
Feasibility Study	3m						
Planning and Design		12m					
Contract Bidding and Award			6m				
Construction					18	3m	
Close Out							2m

The above chart shows the anticipated calendar year timeline for planning and constructing for this project (in months). The Oakland Mills Middle School Limited Renovation project is scheduled for completion in August 2019.

Oakland Mills Middle School Project 1036

Hammond High School (Grades 9-12) RENOVATION

Project 1024

8800 Guilford Road, Columbia, MD 21046 http://hammondhs.org/

Marcy Leonard, Principal 410-313-7615



Project Purpose

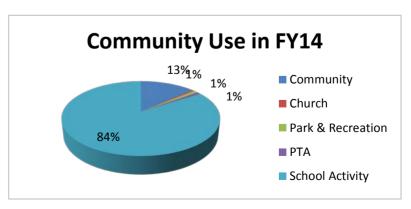
The Hammond High School project will renovate the existing school. Hammond High School is a one story building that first opened in 1976 and underwent some miscellaneous renovation and addition work in 1997, followed by a dance studio addition in 2011. The present need is a complete renovation of the school with systemic upgrades to bring it into compliance with the Howard County Public School Systems Guidelines Manual for Renovations and Modernizations of Existing Schools. The capacity of the school will remain unchanged upon completion of the proposed project. The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Building Data	
Year Built	1976
Age	38
Site Area (acres)	33.14
Last renovation/addition	2011
Current Relocatables	4
Current Capacity	1,220
9/30/13 Enrollment	1,256

Projections / Capacity Utiliza	tion
2014 Projection	1,270
Projected Utilization	104%
2019 Projection	1,601
Projected Utilization	131%

Community Use at Hammond High School

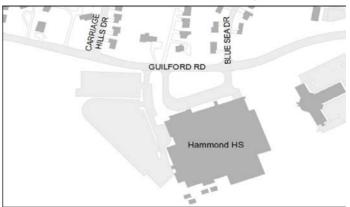
An attendance of 215,000 was recorded for over 3,900 reservations at Hammond HS outside of school hours for events. Most after school activities at any high school are school related including after school programming, athletic activities, educational activities and performing arts.



Hammond High School Project 1024

The project will consist of a complete systemic renovation of the school that will replace the aging heating and cooling systems, upgrade the plumbing and electrical systems, supply new data technology and security systems, provide new interior finishes throughout the building, create ADA accessibility compliance throughout, and repartition select areas of the school and construct building additions as necessary to fulfill program deficiencies. It is also the intent to concentrate on energy efficient systems and sustainable practices building thus yielding another USGBC LEED certified facility.







GO SEN BEAS	

Budget Summary Current & Future Requests FY 2017 **Planning** \$ 3,790 FY 2018 Construction 18,124 FY 2019 Construction 18,999 FY 2020 Construction 18,374 FY 2021 Construction 19,000 **Total Project Cost Estimate** 78,287



The first year of funding for Hammond High School is planned for FY 2017. During FY 2017, the first year of planning will be implemented. The requested sum of \$3.8 million in FY 2017 will allow planning to progress on schedule. Based upon the current plan, the Board will request construction funding for this program in FY 2018 through FY 2021 totaling \$74.5 million to complete work and have the school ready by August 2021.

Project Timeline

-						
Task Phase (Calendar Year)		2017	2018	2019	2020	2021
Feasibility Study	3m					
Planning and Design		12m				
Contract Bidding and Award			6m			
Construction					36m	
Close Out						2m

The above chart shows the anticipated calendar year timeline for planning and constructing for this project (in months). The Hammond High School Renovation project is scheduled for completion in August 2021.

Hammond High School Project 1024

Ellicott Mills Middle School (Grades 6-8)

ADDITION

Project 1037

4445 Montgomery Road, Ellicott City, MD 21043 http://emms.hcpss.org/

Christopher Rattay, Principal 410-313-2839



Building Data	
Year Built	1939
Age	75
Site Area (acres)	16.22
Replacement school	2001
Current Relocatables	3
Current Capacity	662
9/30/13 Enrollment	774

Projections / Capacity Utiliz	zation
2014 Projection	737
Projected Utilization	111%
2019 Projection	883
Projected Utilization	133%
Post-renovation Cap.	818
Projected Util. 2019	108%

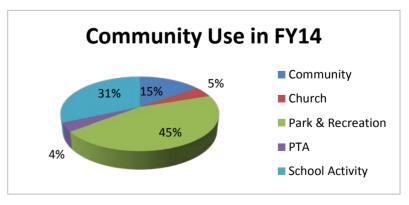
Project Purpose

The Ellicott Mills Middle School project will add 156 seats of new capacity to the existing school. Ellicott Mills Middle School is the third iteration of the current middle school prototype and opened in 2001. The projections in the June 2014 Feasibility Study support the approved middle school capacity adjustments and the effort invested in redistricting. All middle schools in the Northeast were relieved of overcrowding by the opening of Thomas Viaduct MS, except Ellicott Mills MS. Redistricting scenarios using western capacity failed to resolve crowding and created unacceptable travel distances and unusually elongated attending areas. With these findings, planned expansion of Ellicott Mills MS was contemplated in the Feasibility Study. This project is a next logical step after study of middle school capacity and analysis of redistricting scenarios.

The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Community Use at Ellicott Mills Middle School

Over 4,569 reservations brought citizens and students into Ellicott Mills MS after school hours and on weekends for a variety of community and student programs, meetings, activities and events. An attendance of nearly 550,000 was recorded for these activities. Athletic events and child care accounted for approximately half of the facility use. Other uses, which include after school activities and performing arts make up the remaining reservations.

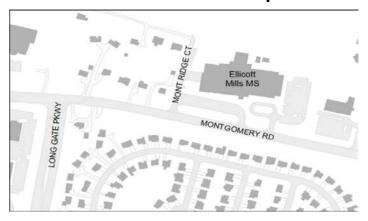


Ellicott Mills Middle School Project 1037

This project will include an addition and light renovation to ensure seamless operation of the expanded facility. The majority of existing walls will remain; therefore, most existing classrooms will remain as classrooms, though they will receive new finishes, cabinetry, doors, data, electrical and mechanical systems. The addition will be designed to retain use natural daylight. The cafeteria will be enlarged to meet educational program requirements. The mechanical system will likely utilize geothermal technology. The school should achieve USGBC LEED Certified certification.



School Location Map



Budget Summary						
Current & Future	e Requests					
FY 2017	Planning	\$	432			
FY 2018	Construction		3,440			
FY 2019	Construction		2,293			
Total Project Co	st Estimate	\$	6,165			

FY 2017 will be the first year of funding for Ellicott Mills Middle School. During FY 2017, the first year of planning will be implemented. The requested sum of \$432 thousand in FY 2017 will allow planning to progress on schedule. Based upon the current plan, the Board will request construction funding for this program in FY 2018 and FY 2019 totaling \$5.7 million to complete work and have the school ready by August 2019.

Project Timeline

Task Phase (Calendar Year)		2017	2018	2019	
Feasibility Study	3m				
Planning and Design		12m			
Contract Bidding and Award			6m		
Construction				12m	
Close Out					2m

The above chart shows the anticipated calendar year timeline for planning and constructing for this project (in months). The Ellicott Mills Middle School Addition project is scheduled for completion in August 2019.

Ellicott Mills Middle School Project 1037

Oakland Mills High School (Grades 9-12) RENOVATION

Project 1029

9410 Kilimanjaro Road, Columbia, MD 21045 http://www2.hcpss.org/omhs/

Karim Shortridge, Principal 410-313-6945



Project Purpose

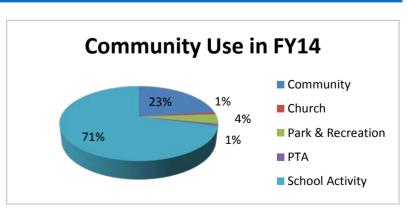
The Oakland Mills High School project will renovate the existing school. Oakland Mills High School is a two story building that opened in 1973 and underwent some miscellaneous renovation and addition work in 1991, 1992, and 2004. The present need is a complete renovation of the school with systemic upgrades to bring into compliance with the Howard County Public School Systems Guidelines Manual for Renovations and Modernizations of Existing Schools. The capacity of the school will remain unchanged upon completion of the proposed project. The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Building Data	
Year Built	1973
Age	41
Site Area (acres)	28.6
Last renovation/addition	2004
Current Relocatables	0
Current Capacity	1,400
9/30/13 Enrollment	1,128

Projections / Capacity Util	ization
2014 Projection	1,151
Projected Utilization	82%
2019 Projection	1,355
Projected Utilization	97%

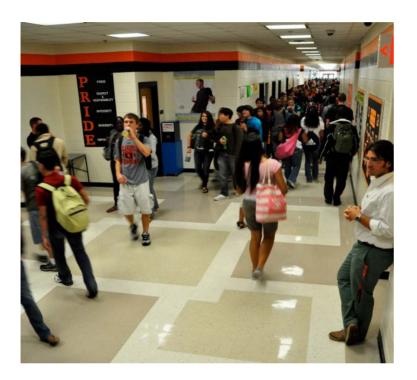
Community Use at Oakland Mills High School

Over 4,261 reservations brought citizens and students into Oakland Mills HS after school hours and over the weekends for a variety of community and student programs, meetings, activities and events. An attendance of 363,492 was recorded for these activities. After school use of high schools is primarily school related activities. Other uses, which include church, after school activities, recreation and parks, community programs and PTA make up the remaining reservations.



Oakland Mills High School Project 1029

The project will consist of a complete systemic renovation of the school that will replace the aging heating and cooling systems, upgrade the plumbing and electrical systems, supply new data technology and security systems, provide new interior finishes throughout the building, create ADA accessibility compliance throughout, and repartition select areas of the school and construct building additions as necessary to fulfill program deficiencies. It is also the intent to concentrate on energy efficient systems and sustainable practices building thus yielding another USGBC LEED certified facility.



School Location Map



Budget Summary

Current & Future Requests

Total Project Cos	st Estimate	\$ 70,642
FY 2022	Construction	25,790
FY 2021	Construction	38,685
FY 2020	Planning	\$ 6,167

FY 2020 will be the first year of funding for Oakland Mills High School. During FY 2020, the first year of planning will be implemented. The requested sum of \$6.2 million in FY 2020 will allow planning to progress on schedule. Based upon the current plan, the Board will request construction funding for this program in FY 2021 and FY 2022 totaling \$64.5 million to complete work by August 2022.

Project Timeline

Task Phase (Calendar Year)		2018	2019	2020	2021	2022	
Feasibility Study	3m						
Planning and Design		12m					
Contract Bidding and Award			6m				
Construction					36m		
Close Out							2m

The above chart shows the anticipated calendar year timeline for planning and constructing for this project (in months). The Oakland Mills High School Renovation project is scheduled for completion in August 2022.

Oakland Mills High School Project 1029

Centennial High School (Grades 9-12) RENOVATION

Project 1025

4300 Centennial Lane, Ellicott City, MD 21042 http://www.centennialeagles.org/

Claire Hafets, Principal 410-313-2856



Building Data	
Year Built	1977
Age	37
Site Area (acres)	43
Last renovation/addition	2011
Current Relocatables	4
Current Capacity	1,360
9/30/13 Enrollment	1,370

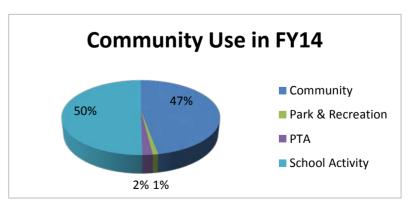
Projections / Capacity Utilization		
	2014 Projection	1,376
	Projected Utilization	101%
	2019 Projection	1,651
	Projected Utilization	121%

Project Purpose

The Centennial High School project will renovate the existing school. Centennial High School is a one-story building that opened in 1977 and had an addition completed in 2002, followed by a dance studio addition in 2011. The present need is a complete renovation of the school with systemic upgrades to bring into compliance with the Howard County Public School Systems Guidelines Manual for Renovations and Modernizations of Existing Schools. The capacity of the school will remain unchanged upon completion of the proposed project. The complete scope of this project is defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

Community Use at Centennial High School

Over 5,613 reservations brought citizens and students into Centennial HS after school hours and on weekends for a variety of community and student programs, meetings, activities and events. An attendance of 604,529 was recorded for these activities. After school use of high schools is primarily school related activities like athletic and performance arts events. Other uses, which include training, elections and other activities make up the remaining 45 percent.

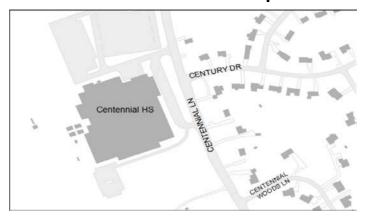


Centennial High School Project 1025

The project will consist of a complete systemic renovation of the school that will replace the aging heating and cooling systems, upgrade the plumbing and electrical systems, supply new data technology and security systems, provide new interior finishes throughout the building, create ADA accessibility compliance throughout, and repartition select areas of the school and construct building additions as necessary to fulfill program deficiencies. It is also the intent to concentrate on energy efficient systems and sustainable practices building thus yielding another USGBC LEED certified facility.



School Location Map



Budget Summary				
Current & Future	e Requests			
FY 2022	Planning	\$	6,151	
FY 2023	Construction		38,592	
FY 2024	Construction		25,728	
Total Project Cost Estimate		\$	70,471	

FY 2022 will be the first year of funding for Centennial High School. During FY 2022, the first year of planning will be implemented. The requested sum of \$6.2 million in FY 2022 will allow planning to progress on schedule. Based upon the current plan, the Board will request construction funding for this program in FY 2023 and FY 2024 totaling \$64.3 million to complete work in the school by August 2024.

Project Timeline



The above chart shows the anticipated calendar year timeline for planning and constructing for this project (in months). The Centennial High School Renovation project is scheduled for completion in August 2024.

Centennial High School Project 1025

Long Range Plan Adjustments (Grades K-12) NEW SCHOOLS

Sites to be determined



Architect rendering of Marriotts Ridge High School courtesy of TCA Architects. This is the newest HCPSS high school based on the current education specifications.

Responding to the 2014 Feasibility Study

Planning and zoning changes require changes to the CIP. While the HCPSS is peripheral to land development discussions, land planning decisions impact school system capital improvement plans. Staff continues to work closely with the Department of Planning and Zoning and Public Works staff to ensure that schools are central to new development. The annual Feasibility Study analyzes these trends and proposes adjustments to the CIP. The projections indicate that the FY 16-25 long range plan requires three more elementary schools and one additional middle school. Previous budgets have introduced ES 42 and HS 13. Ensuring that all of these needs are addressed will probably require a new source of local revenue.

Elementary School Needs

Elementary enrollment is projected to increase by 3,912 students by 2023 and the capacity utilization of all elementary schools combined will begin to exceed 110 percent by 2020. This is earlier than previous projections and suggests more elementary capacity is needed in the long-range capital improvement plan. The three areas which will experience the greatest growth over the next five to ten years will be the Route 1 Corridor, Columbia Town Center, and Turf Valley.

ES 43 - Southeastern ES - 1039

The recently completed comprehensive zoning increased the entire housing projection this year by 996 units, most of which was in the East. ES 42 will be built in the Northeast region at Oxford Square. The needs of the southeast region are evident in the projections of Bollman Bridge ES and Forest Ridge ES. The location of ES 43 is to be determined . A location in close proximity to the planned Transit Oriented Development is desirable.



Artist rendering of the redevelopment of Columbia Town Center. The Columbia Town Center report anticipated future needs as a result of this project

ES 44 - Columbia West ES - 1040

Running Brook ES (with expansion) is expected to exceed 110 percent utilization by 2016. A redistricting strategy alone, which uses nearby schools like Clarksville ES will not provide an adequate solution to accommodate the projected growth. Faulkner Ridge Center was closed on July 1, 2011. This site is a likely location for redevelopment as a future school.

Middle School Needs

MS 21 - 1042

The opening of Thomas Viaduct MS in the 2014-2015 school year is a tangible reminder that growth is impacting middle school capacities as well. By 2025, three of five middle schools in Northeast region will have significant overcrowding. The same will be true for all three Southeastern region middle schools. Site acquisition efforts are underway.

ES 45 - Turf Valley ES - 1041

Projections continue to support the need for elementary redistricting to relieve overcrowding at Manor Woods ES associated with Turf Valley growth. The addition at Waverly ES can absorb some growth. Considering the limited potential for expanding schools outside of the sewer service area, a Turf Valley school planned. Land is being acquired for this future school.

High School Needs

HS 13 - 1035

Howard HS is experiencing overcrowding. Capacity needs are also projected for Long Reach HS and Hammond HS. A small amount of capacity at Oakland Mills HS is not sufficient to balance these needs. Interim measures are under consideration but the trends eventually point to a new high school. This capital budget recommends completion of HS #13 in 2027 as was shown in the FY 2015 Capital Budget.

Systemic Renovations RENOVATIONS and ADDITIONS

Project 0980

Various locations



Boiler room at Mount View Middle School.

The Department of School Facilities is charged with maintaining the facilities and grounds of the Howard County Public School System (HCPSS) in as near original condition and effectiveness as possible. Actual costs incurred in the Systemic Renovations Project over the past five years is below.

Systemic Renovations Actual Expenses					
Fiscal Year	Actual Expense				
FY 2010	\$	14,536,145			
FY 2011	\$	16,533,132			
FY 2012	\$	25,048,690			
FY 2013	\$	21,798,947			
FY 2014	\$	15,593,468			

Project Purpose

The systemic renovation project will include projects that are needed to bring older facilities up to current standards in lighting, electrical, HVAC systems, reconfiguring space, handicap accessible improvements, and provide for upgrades to other building systems. For larger systemic renovation projects (see schools listed in project details section), the complete scope of projects are defined by the BOE approved construction documents (CD) brochure (see Policy 6020 in the Supporting Data Section for a complete description of the process) and any change orders approved subsequent to submittal of the CD brochure.

FY 2016 Request Analysis					
Project Funding (July 1, 2003 - June 30, 2015)	\$	218,887,000			
Project Cost-to-Date (through June 30, 2014)		(191,590,971)			
FY 2015 Projected Costs		(20,214,667)			
Available Project Funding (July 1, 2015)	\$	7,081,362			
Requested Budget FY 2016	\$	9,263,000			



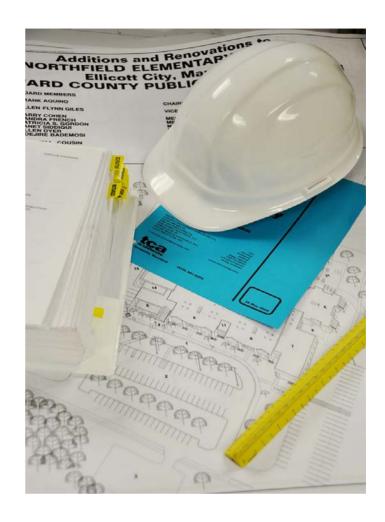
Construction of partition walls.

Systemic Renovations Project 0980

Systemic renovation projects include improvements and installation of systemic renovations at various school sites, including projects of a critical nature such as sprinkler repair, HVAC repair, and window replacement. The department publishes an annual Comprehensive Maintenance Program which reflects the objectives and methods utilized to provide a safe and secure learning environment for Howard County's school community as required by the Public School Construction Regulations. This document has been consulted in the development of this budget for potential systemic projects.

The FY 2016 Capital Budget request represents renovation work or planning for future construction at the following school facilities:

Hollifield Station ES HVAC
Mayfield Woods MS Electronics (Fire Alarm)
Manor Woods ES Electronics (Fire Alarm)
Lime Kiln MS HVAC
Clarksville ES Doors/Frames
Rockburn ES Boiler
Glenwood MS Boiler/Water Heater
Bonnie Branch MS HVAC



Systemic Renovations Project 0980

Roofing Projects

Project 0994



The Facilities Department oversees the Roofing Project and provides maintenance and repairs for all HCPSS facilities. Actual costs incurred in the Roofing Project over the past five years is below.

Roofing Projects Actual Expenses Fiscal Year **Actual Expense** FY 2010 4,083,349 \$ FY 2011 5,339,927 \$ FY 2012 4,841,087 \$ FY 2013 3,093,044 FY 2014 5,468,035

Roof repairs at Burleigh Manor MS.

Project Purpose

The roofing project will address aging roofs on various Howard County Public School System schools. A well planned roofing program is critical to all other systems in a capital facility. When roofing systems wear the damage can impact other systems and multiply costs. Roof planning is more than shingles and asphalt. Modern roofing systems are actually complex investments built to exacting specifications. HCPSS regularly inspects roofing systems and provides reports to the State of Maryland. Planning and project execution must balance system warranties, state funding eligibility and the risk of maintenance deferral.

FY 2016 Request Analysis				
Project Funding (July 1, 2003 - June 30, 2015)	\$	40,537,000		
Project Cost-to-Date (through June 30, 2014)		(32,363,500)		
FY 2015 Projected Costs		(7,067,957)		
Available Project Funding (July 1, 2015)	\$	1,105,543		
Requested Budget FY 2016	\$	5,000,000		



Green roof at Ducketts Lane ES.

Roofing Projects Project 0994

Project Details

The roof system is the largest single area of the building that must endure the most severe weather conditions. The roof protects the structural integrity of the building as well as equipment. Because of building age and environmental conditions, scheduled roof replacements must be completed to protect the investment that has been made in many facilities.

Reroofing for various schools including design and construction of repairs to existing roofs, old roof removal, new flashing and drains, and installation of new roofing structure and material.

The following schools are included in the FY 2016 Capital Budget:

Wilde Lake HS Centennial HS Harpers Choice MS



Roofing Projects Project 0994

Playground Equipment

Project 0990

Various locations



The Safety and Risk Management Office oversees the Playground Equipment Project, managing safety requirements and a long term replacement plan for all HCPSS playgrounds. Actual costs incurred in the Playground Equipment Project over the past five years is below.

Playgrounds Actual Expenses				
Fiscal Year	F	Actual Expense		
FY 2010	\$	48,579		
FY 2011	\$	-		
FY 2012	\$	398,430		
FY 2013	\$	240,677		
FY 2014	\$	8,506		

Project Purpose

The Playground Equipment project will replace aging playgrounds at a variety of Howard County Public School System schools. This fund maintains a cycle of playground replacement. While playgrounds seem to be a standard installment at any elementary school, playgrounds can vary widely in design and are not specifically required by state or local codes or policies. Recess and unstructured play is a standard of Policy 9090 - Health and Wellness. Research supports a link between learning and unstructured play. Elementary school students are stimulated by interesting and engaging playground installations. The playground planning process considers the needs of a wide range of ages and skills to develop strength, social skills, coordination, balance and motor planning.

FY 2016 Request Analysis				
Project Funding (July 1, 2001 - June 30, 2015)	\$	2,380,000		
Project Cost-to-Date (through June 30, 2014)		(1,733,100)		
FY 2015 Projected Costs		(512,173)		
Available Project Funding (July 1, 2015)	\$	134,727		
Requested Budget FY 2016	\$	-		

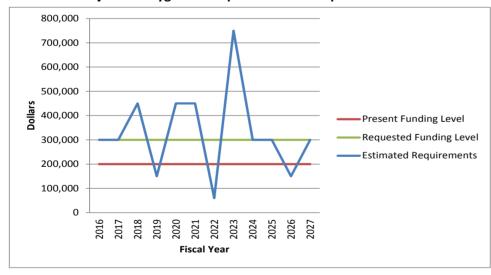


Playground Equipment Project 0990

Project Details

Playground replacement is planned every 15 years. In the interim, they are maintained and repaired using operating funds. This schedule delivers new designs and safety improvements on a reasonable period without requiring a much larger share of the capital budget. The \$300,000 request is adequate for the short term. In future years, more than two playground replacements are needed in one year. The long term plan could be adjusted to smooth out the number of replacements per year by advancing or delaying some projects. Decisions about installing specific equipment are school based and require individual contracts. Better pricing may be possible through package bidding. Playground equipment at newly built schools is included in the funding request for the individual capital improvement project.





The chart above shows the estimated funding requirements based upon the long term plan listed to the right. Advancing or delaying some projects may help to smooth the funding profile but the graph shows that present funding levels will not be sufficient with future requirements. Risk management and purchasing staff are exploring different bidding methods with standard design options which may save on design costs.

Long Term Pla	n
Playground Site	Fiscal Year
Hollifield Station ES	FY 2017
Manor Woods ES	FY 2017
Bryant Woods ES	FY 2018
Guilford ES	FY 2018
Clarksville ES	FY 2019
Triadelphia Ridge ES	FY 2019
Worthington ES	FY 2019
Bellows Spring ES	FY 2020
Gorman Crossing ES	FY 2021
Rockburn ES	FY 2021
Thunder Hill ES	FY 2021
Lisbon ES	FY 2022
Centennial Lane ES	FY 2022
St Johns Lane ES	FY 2022
West Friendship ES	FY 2023
Atholton ES	FY 2023
Dayton Oaks ES	FY 2023
Cedar Lane	FY 2023
Fulton ES	FY 2024
Phelps Luck ES	FY 2024
Bollman Bridge ES	FY 2024
Bushy Park ES	FY 2024
Cradlerock ES	FY 2024
Veterans ES	FY 2025
Ilchester ES	FY 2025
Waterloo ES	FY 2026
Clemens Crossing ES	FY 2026
Northfield ES	FY 2027
Ducketts Lane ES	FY 2028
Stevens Forest ES	FY 2028

This program was not funded in FY 2016.

Playground Equipment Project 0990

Relocatable Classrooms

Project 0993



The School Planning Office evaluates relocatable classroom needs annually in a report to the Board of Education. After a decision is made, the Construction Department oversees the placing and connecting of all HCPSS relocatables. Actual costs incurred in the Relocatable Classrooms Project over the past five years is below.

Relocatable Classrooms Actual Expenses				
Fiscal Year	Α	ctual Expense		
FY 2010	\$	975,223		
FY 2011	\$	842,225		
FY 2012	\$	2,152,087		
FY 2013	\$	1,620,398		
FY 2014	\$	1,117,572		

Project Purpose

The Relocatable Classrooms project will provide funds for the relocation of existing portable classrooms or purchase of new portable classrooms to be placed at schools in need of additional capacity. Relocation includes moving the structures as well as the installation of support services that make the portable structures functional classrooms. Additional classroom spaces are needed to help relieve overcapacity schools until such time as permanent classroom spaces are available.

FY 2016 Request Analysis				
Project Funding (July 1, 2003 - June 30, 2015)	\$	16,210,000		
Project Cost-to-Date (through June 30, 2014)		(14,470,671)		
FY 2015 Projected Costs		(1,738,550)		
Available Project Funding (July 1, 2015)	\$	779		
Requested Budget FY 2016	\$	1,200,000		



Project Details

It should be noted that in some cases modular units are integrated into a building's core facility. These units are in use at St. John's Lane, and Waverly Elementary Schools, as well as Clarksville Middle School. These units are included in building capacity because they are considered permanent additions. In recent renovations, for example Bollman Bridge ES, they have been replaced. Similar plans are underway at Deep Run Elementary and Patuxent Valley Middle Schools. The school system conducts annual reviews of the physical condition and usage of all relocatable/modular units. When units are inspected, the cost of repairs is weighed against the option of retiring the units. Cycling out, and even reducing the inventory, can create operating economies. However, any dramatic reduction of inventory would require a commiserate investment in brick and mortar construction.

In September 2014, there were 235 relocatable/modular classrooms in use (four are used for administrative purposes at the Central Office, all others are at school sites). The school system will continue to conduct an annual review of all relocatables which will include condition and usage. The potential to either remove relocatables out-of-service, transport them to other locations where needed, or place them in excess to dispose of in an appropriate manner will be decided upon annually.

This work will be completed in the Summer of 2015.



Relocatable Classrooms Project 0993

Site Acquisition and Construction Reserve

Project 0995



The School Construction Department oversees the Site Acquisition and Construction Reserve Project. Actual costs incurred in the Site Acquisition and Construction Reserve Project over the past five years is below.

Site Acquisition/Construction Reserve Actual Expenses				
Fiscal Year		Actual Expense		
FY 2010	\$	16,115		
FY 2011	\$	51,795		
FY 2012	\$	4,126,230		
FY 2013	\$	526,091		
FY 2014	\$	4,258,073		

Construction of Ducketts Lane ES.

Project Purpose

The Site Acquisition ad Construction Reserve project is needed as a contingency reserve providing funds for use on an asneeded basis. Site funds are needed for future enrollment growth. This account is a contingency fund for site acquisition and school construction at various school sites. Recent emergent maintenance requirements have strained the school system's existing construction contingency accounts and additional funding is required to ensure that urgently needed repairs can be completed without delay.

FY 2016 Request Analysis				
Project Funding (July 1, 2003 - June 30, 2015)	\$	20,836,000		
Project Cost-to-Date (through June 30, 2014)		(17,936,610)		
FY 2015 Projected Costs		(100,000)		
Available Project Funding (July 1, 2015)	\$	2,799,390		
Requested Budget FY 2016	\$	-		



Excavators staged for a construction project.

Project Details

This fund is for site acquisition. The selection and acquisition of appropriate school sites is integral to the development of a capital program. Each proposed school site is carefully evaluated prior to acquisition according to Board-approved selection criteria identified in Policy 6000 - Site Selection and Acquisition.

Delays in acquisition of suitable school sites may affect the timing of construction of needed schools. This can result in extended periods of overcrowding situations. In an effort to reduce such delays, the HCPSS continues to maintain a "land bank" that will be called upon to pursue the purchase of potential sites or portions of land to augment sites.

Larger sites identified in the subdivision review process may be reserved to be budgeted as line items in future capital budgets. The state of Maryland regulates but does not pay the costs for site acquisitions; therefore, funds for the purchase of school sites are provided locally by the Howard County Government.

This fund also serves as a construction reserve. Capital planning has been fairly accurate and overruns have been minimal so the actual use of the majority of this fund has been to acquire land. In the past, initial preplanning expenses have been charged to this account, but the FY 2016 budget introduces preplanning as a separate project request.



Loader Excavator operating at a construction site.

This program was not funded in FY 2016.

Technology

Equipment Replacement

Project 1021



Teachers utilize technology in media centers to facilitate instruction.

The Technology Operations Office oversees the Technology Project. A staff of 20 provides maintenance and support for over 4,700 teacher laptops and 781 school computer labs totaling over 21,200 computers and approximately 830 printers, copiers and multifunction devices throughout the system.

Technology Actual Expenses					
Fiscal Year	Α	ctual Expense			
FY 2011	\$	8,027,642			
FY 2012	\$	5,335,262			
FY 2013	\$	5,714,919			
FY 2014	\$	3,606,457			

Actual costs incurred in the Technology project over the past four years is above.

Project Purpose

The Technology project funds are required for continuous improvements and upgrades to the HCPSS network infrastructure and computer systems to ensure that instruction and business technology needs are met in a standard and equitable manner. Technology refresh programs, known as "Replacement Plans", have been established to ensure that all HCPSS students and school-based staff are equipped with the appropriate computing and network resources. The Replacement Plans are designed to ensure that these essential resources are kept at a standard for instruction and business operations.

FY 2016 Request Analysis			
Project Funding (July 1, 2010 - June 30, 2015)	\$	29,486,000	
Project Cost-to-Date (through June 30, 2014)		(22,684,280)	
FY 2015 Projected Costs		(6,714,650)	
Available Project Funding (July 1, 2015)	\$	87,069	
Requested Budget FY 2016	\$	5,000,000	



Media Centers in each school provide students with access to computers.

Technology Project 1021

Project Details

This project provides funding for technology equipment replacement. Computers for teachers and schools has historically been the most significant use of this funding.

In FY 2016 this project will fund the Replacement Plan 1.5 which is the initiative to provide computing devices to all teachers in support of instructional and administrative tasks. In addition, all high schools will receive new general purpose and media center computers to support student needs.

This initiative is in support of Goals 1, 2, 3 and 4 of Vision 2018 by providing new technologies for the aforementioned areas.



Teacher laptops allow staff to collaborate more effectively.

Re	Replace all Computers Purchased in 2011 under RP1.5 with Like Model Computers						
Type	Position	Office/Curriculum Program	# labs	Description	Number	Total Cost	
ES	Teachers	n/a	n/a	Apple MacBook Pro laptop	2,347	\$ 2,909,845	
MS	Teachers	n/a	n/a	Apple MacBook Pro laptop	1,051	1,308,495	
HS	Teachers	n/a	n/a	Apple MacBook Pro laptop	1,378	1,715,610	
HS	n/a	GPML= general purpose mobile lab	27	Apple MacBook Pro laptop	810	1,008,450	
HS	n/a	GPFL = general purpose fixed lab	14	Dell Optiplex3020 desktop	405	282,285	
HS	n/a	Media Center	14	Dell Optiplex3020 desktop	395	275,315	
			55		6,386	\$ 7,500,000	

In Fall 2015, the Technology Department plans to replace over 4,700 teacher laptops and 1,600 high school computers with updated computing devices. As part of this process, all devices will have the latest approved operating systems and software. Professional development will be provided to staff as needed.

Technology Project 1021

School Parking Lot Expansions

Project 1012

Various locations



The School Construction Department oversees the School Parking Lot Expansions Project. Actual costs incurred in the School Parking Lot Expansions Project over the past five years is below.

Parking Lot Expansion Actual Expenses			
Fiscal Year Actual Expense			
FY2010	\$	4,538	
FY2011	\$	28	
FY2012	\$	1,976,199	
FY2013	\$	-	
FY2014	\$	-	

Project Purpose

Parking lot expansions are necessary due to the insufficient supply of spaces to meet existing needs. Funds are used for parking improvements on sites that are not slated for other construction projects. The project provides for the construction of additional parking spaces and modification of parking lots to improve traffic flow patterns at existing school sites.

Project Details

There are no parking lot projects scheduled for the 2014-2015 year. Future projects are to be determined as needed.



Planning and Design

Project 1038

Various locations

tca | architects



Feasibility Study
for
Wilde Lake Middle School
for the
Howard County Public School System

tca | architects Anapolis, Maryland 410-841-6205

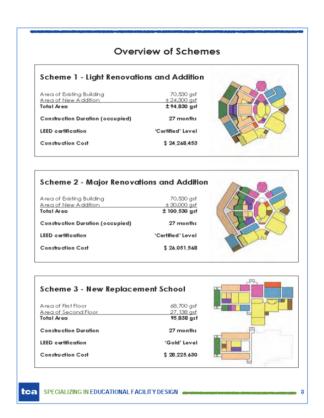
Project Purpose

The Planning and Design project has been established to provide funding for feasibility studies prior to the funding of individual projects. During the concept development stage, each project is summarized, supporting documentation is gathered, and necessary approvals are obtained before construction begins. A feasibility study provides the analysis to determine the scope and breadth of a project under consideration.

The value of these studies is having the flexibility to ask technical questions about projects before the formal design process. With these studies projects can be "right sized." The replacement of WLMS is a good example. The above feasibility study helped guide a decision to replace. Pricing for these studies is favorable because design consultants want to obtain the full design project.

Through a feasibility study the Board is able to examine the needs of an existing building as well as unexpected design circumstances. These studies ensure the selection of the most effective scope for each project. This process will reduce the costs associated with significant changes in scope which often occur in a compressed planning schedule. In the construction phase, the reduced number of change orders will lessen the impact on the construction schedule and decrease incremental costs.

The Office of School Construction oversees the planning and design for capital projects. Staff serve as the fiduciary agent for the administration of the Howard County Public School System/Board of education construction contracts. The Office recommends the selection of design consultants of capital projects to the Board of Education and supervises these consultants.



Proposed Feasibility Studies in FY 2016

Hammond High School Renovation

Ellicott Mills Middle School Addition

Dunloggin Middle School Renovation/Addition

Talbott Springs Elementary School Renovation

Patapsco Middle School Renovation

Planning and Design Project 1038

Barrier Free Projects

Project 0989



An accessibility ramp to access upper level play area at Bryant Woods ES.

The facilities Department oversees the Barrier Free Project. Actual costs incurred in the Barrier Free Project over the past five years is below.

Barrier Free	Acti	ual Expenses
Fiscal Year	1	Actual Expense
FY 2010	\$	199,951
FY 2011	\$	189,386
FY 2012	\$	74,420
FY 2013	\$	77,734
FY 2014	\$	119,445

Project Purpose

The Barrier Free Project will include installation of ramps; alteration of restrooms, fixtures and drinking fountains; and various modifications to make all remaining spaces (school buildings and school sites) accessible to the public, students, teachers, and staff. Federal, state, and local regulations require that school facilities be made accessible to the physically handicapped by removing barriers to access. Examples of projects include stadium bleacher ramps, play field access ramps, automatic door opening devices, and reconfiguration of bathroom fixtures and partitions to allow wheelchair access. Other school specific projects that remove barriers as described in justification.

FY 2016 Reques	st Anal	ysis
Project Funding (July 1, 1988 - June 30, 2015)	\$	5,228,000
Project Cost-to-Date (through June 30, 2014)		(4,743,827)
FY 2015 Projected Costs		(323,028)
Available Project Funding (July 1, 2015)	\$	161,145
Requested Budget FY 2016	\$	200,000



Lift room for access to stage.

Barrier Free Projects Project 0989

Project Details

The Americans with Disabilities Act (ADA) of 1990 is a comprehensive civil rights law that makes it unlawful for public and private employers to discriminate against individuals with disabilities. This law as well as COMAR and best risk management practices require that HCPSS be ready to adjust our physical plant for access.

The barrier-free fund ensures our facilities provide full access to all students. When buildings are designed access issues are addressed in the schematic phase of a project. This practice generally produces buildings that are more accessible at the best cost.

With changing student enrollment, unique access issues may arise after the building is completed. This fund is used to make sensible, low cost adjustments to improve overall access. This project is ongoing.



Elevator for transportation to the second-story level.

Barrier Free Projects Project 0989

Wilde Lake Middle School (Grades 6-8) REPLACEMENT SCHOOL

Project: 1031

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ 5,358	\$ 4,931	\$ 12,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,184
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	13,303	-	-	-	-	-	-	-	-	-	13,303
Transfer Tax	1,500	-	-	-	-	-	-	-	-	-	-	1,500
Z Bonds	4,000	-	-	-	-	-	-	-	-	-	-	4,000
Total Funds	\$ 10,858	\$ 18,234	\$ 12,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,987

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ 2,658	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,658
Construction	8,200	18,234	10,695	-	-	-	-	-	-	-	-	37,129
Equip./Furnishings	-	-	2,200	-	-	-	-	-	-	-	-	2,200
Total Expenditures	\$ 10,858	\$ 18,234	\$ 12,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,987

Project Commencement FY 2014

Patuxent Valley Middle School (Grades 6-8) RENOVATION

Project: 1033

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ 5,360	\$ 781	\$ 10,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,526
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	2,785	7,819	-	-	-	-	-	-	-	-	-	10,604
Transfer Tax	-	1,400	-	-	-	-	-	-	-	-	-	1,400
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ 8,145	\$10,000	\$ 10,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,530

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ 1,360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,360
Construction	6,785	10,000	10,135	-	-	-	-	-	-	-	-	26,920
Equip./Furnishings	-	-	250	-	-	-	-	-	-	-	-	250
Total Expenditures	\$ 8,145	\$10,000	\$ 10,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,530

Project Commencement FY 2015

Swansfield Elementary School (Grades K-5) RENOVATION / ADDITION

Project: 1034

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ 1,898	\$ 9,875	\$ 11,567	\$ 1,751	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,091
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ 1,898	\$ 9,875	\$ 11,567	\$ 1,751	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,091

Use of Fund	s			Five-Yea	ır Capital	Program			Maste	er Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ 1,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,898
Construction	-	9,875	11,567	1,676	-	-	-	-	-	-	-	23,118
Equip./Furnishings	-	-	-	75	-	-	-	-	-	-	-	75
Total Expenditures	\$ 1,898	\$ 9,875	\$ 11,567	\$ 1,751	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,091

Project Commencement FY 2015

Board of Education's Approved Capital Budget

Waverly Elementary School (Grades K-5) RENOVATION / PHASE II ADDITION

Project: 0973

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ 3,770	\$ 6,430	\$ 16,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,098
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ 3,770	\$ 6,430	\$ 16,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,098

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	3,770	6,430	16,648	-	-	-	-	-	-	-	26,848
Equip./Furnishings	-	-	-	250	-	-	-	-	-	-	-	250
Total Expenditures	\$ -	\$ 3,770	\$ 6,430	\$ 16,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,098

Project Commencement FY 2003

New Elementary School #42 (Grades K-5) NEW SCHOOL

Project: 1028

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ 2,807	\$ 11,640	\$ 23,633	\$ 2,460	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,540
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ 2,807	\$ 11,640	\$ 23,633	\$ 2,460	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,540

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ 2,807	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,807
Construction	-	-	11,640	22,133	1,460	-	-	-	-	-	-	35,233
Equip./Furnishings	-	-	-	1,500	1,000	-	-	-	-	-	-	2,500
Total Expenditures	\$ -	\$ 2,807	\$ 11,640	\$ 23,633	\$ 2,460	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,540

Project Commencement FY 2016 Project: 1028

Board of Education's Approved Capital Budget

Oakland Mills Middle School (Grades 6-8) LIMITED RENOVATION

Project: 1036

Project: 1036

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	er Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ 4,000	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,000
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ 4,000	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,000

Use of Fund	ls			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	4,000	5,000	4,750	-	-	-	-	-	-	13,750
Equip./Furnishings	-	-	-	-	250	-	-	-	-	-	-	250
Total Expenditures	\$ -	\$ -	\$ 4,000	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,000

Project Commencement FY 2016

Hammond High School (Grades 9-12) RENOVATION

Project: 1024

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Type	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ 3,790	\$ 18,124	\$ 18,999	\$ 18,374	\$19,000	\$ -	\$ -	\$ -	\$ -	\$ 78,287
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ 3,790	\$ 18,124	\$ 18,999	\$ 18,374	\$ 19,000	\$ -	\$ -	\$ -	\$ -	\$ 78,287

Use of Fund	ls			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ 3,790	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,790
Construction	-	-	-	18,124	18,999	18,374	17,969	-	-	-	-	73,466
Equip./Furnishings	-	-	-	-	-	-	1,031	-	-	-	-	1,031
Total Expenditures	\$ -	\$ -	\$ 3,790	\$ 18,124	\$ 18,999	\$ 18,374	\$19,000	\$ -	\$ -	\$ -	\$ -	\$ 78,287

Project Commencement FY 2016 Project: 1024

Ellicott Mills Middle School (Grades 6-8) ADDITION

Project: 1037

(In Thousands)

Source of F	unds			Five-Yea	ır Capital	Program			Maste	er Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ 432	\$ 3,440	\$ 2,293	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,16
Paygo	-	-	-	-	-	-	-	-	-	-	-	
State Aid	-	-	-	-	-	-	-	-	-	-	-	
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	
Total Funds	\$ -	\$ -	\$ 432	\$ 3,440	\$ 2,293	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,16

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ 432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 432
Construction	-	-	-	3,440	1,793	-	-	-	-	-	-	5,233
Equip./Furnishings	-	-	-	-	500	-	-	-	-	-	-	500
Total Expenditures	\$ -	\$ -	\$ 432	\$ 3,440	\$ 2,293	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,165

Project Commencement FY 2017 Project: 1037

Board of Education's Approved Capital Budget

Oakland Mills High School (Grades 9-12) RENOVATION

Project: 1029

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,167	\$ 38,685	\$ 25,790	\$ -	\$ -	\$ -	\$ 70,642
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,167	\$ 38,685	\$ 25,790	\$ -	\$ -	\$ -	\$ 70,642

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,167	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,167
Construction	-	-	-	-	-	-	38,685	25,290	-	-	-	63,975
Equip./Furnishings	-	-	-	-	-	-	-	500	-	-	-	500
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,167	\$ 38,685	\$ 25,790	\$ -	\$ -	\$ -	\$ 70,642

Project Commencement FY 2020 Project: 1029

New Elementary School #43 (Grades K-5) NEW SCHOOL

Project: 1039

(In Thousands)

Source of F	unds			Five-Yea	ır Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,180	\$ 14,300	\$ 14,300	\$ 11,518	\$ -	\$ -	\$ 44,298
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,180	\$ 14,300	\$ 14,300	\$ 11,518	\$ -	\$ -	\$ 44,298

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,180
Construction	-	-	-	-	-	-	14,300	14,300	9,018	-	-	37,618
Equip./Furnishings	-	-	-	-	-	-	-	-	2,500	-	-	2,500
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,180	\$ 14,300	\$ 14,300	\$ 11,518	\$ -	\$ -	\$ 44,298

Project Commencement FY 2020 Project: 1039

Centennial High School (Grades 9-12) RENOVATION

Project: 1025

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,151	\$ 38,592	\$ 25,728	\$ -	\$ 70,471
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,151	\$ 38,592	\$ 25,728	\$ -	\$ 70,471

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,151	\$ -	\$ -	\$ -	\$ 6,151
Construction	-	-	-	-	-	-	-	-	38,592	25,228	-	63,820
Equip./Furnishings	-	-	-	-	-	-	-	-	-	500	-	500
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,151	\$ 38,592	\$ 25,728	\$ -	\$ 70,471

Project Commencement FY 2022 Project: 1025

New Elementary School #44 (Grades K-5) NEW SCHOOL

Project: 1040

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,320	\$ 15,670	\$ 15,670	\$11,334	\$ 46,994
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,320	\$ 15,670	\$ 15,670	\$ 11,334	\$ 46,994

Use of Fund	ls			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,320	\$ -	\$ -	\$ -	\$ 4,320
Construction	-	-	-	-	-	-	-	-	15,670	15,670	8,834	40,174
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	2,500	2,500
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,320	\$ 15,670	\$ 15,670	\$ 11,334	\$ 46,994

Project Commencement FY 2022 Project: 1040

New Elementary School #45 (Grades K-5) NEW SCHOOL

Project: 1041

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,460	\$ 16,330	\$ 16,330	\$ 37,120
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,460	\$ 16,330	\$ 16,330	\$ 37,120

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,460	\$ -	\$ -	\$ 4,460
Construction	-	-	-	-	-	-	-	-	-	16,330	16,330	32,660
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,460	\$ 16,330	\$ 16,330	\$ 37,120

Project Commencement FY 2023 Project: 1041

Board of Education's Approved Capital Budget

New High School #13 (Grades 9-12) NEW SCHOOL

Project: 1035

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,764	\$51,226	\$ 61,990
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,764	\$51,226	\$ 61,990

Use of Fund	ls			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$10,764	\$ -	\$ 10,764
Construction	-	-	-	-	-	-	-	-	-	-	51,226	51,226
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,764	\$ 51,226	\$ 61,990

Project Commencement FY 2024 Project: 1035

New Middle School #21 (Grades K-5) NEW SCHOOL

Project: 1042

(In Thousands)

Source of F	unds			Five-Yea	ır Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,880	\$ 4,880
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	-	-	-	-	-	-	-	-	-	-	-
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,880	\$ 4,880

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,880	\$ 4,880
Construction	-	-	-	-	-	-	-	-	-	-	-	-
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,880	\$ 4,880

Project Commencement FY 2025 Project: 1042

Systemic Renovations / Modernizations

Project: 0980

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ 112,050	\$ 8,774	\$ 18,708	\$ 59,909	\$88,114	\$ 78,338	\$ 52,135	\$61,293	\$ 64,358	\$ 67,576	\$ 70,955	\$ 682,210
Paygo	4,555	-	-	-	-	-	-	-	-	-	-	4,555
State Aid	69,859	489	-	-	-	-	-	-	-	-	-	70,348
Transfer Tax	6,100	-	-	-	-	-	-	-	-	-	-	6,100
Z Bonds	26,323	-	-	-	-	-	-	-	-	-	-	26,323
Total Funds	\$ 218,887	\$ 9,263	\$ 18,708	\$ 59,909	\$88,114	\$ 78,338	\$ 52,135	\$61,293	\$ 64,358	\$ 67,576	\$ 70,955	\$ 789,536

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	218,887	9,263	18,708	59,909	88,114	78,338	52,135	61,293	64,358	67,576	70,955	789,536
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ 218,887	\$ 9,263	\$ 18,708	\$ 59,909	\$88,114	\$ 78,338	\$ 52,135	\$ 61,293	\$ 64,358	\$ 67,576	\$ 70,955	\$ 789,536

Project Commencement FY 2004 Project: 0980

Roofing Projects

Project: 0994

Project: 0994

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ 23,204	\$ 2,662	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 70,866
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	9,582	2,338	-	-	-	-	-	-	-	-	-	11,920
Transfer Tax	3,251	-	-	-	-	-	-	-	-	-	-	3,251
Z Bonds	4,500	-	-	-	-	-	-	-	-	-	-	4,500
Total Funds	\$ 40,537	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 90,537

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	40,537	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	90,537
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ 40,537	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 90,537

Project Commencement FY 2004

Playground Equipment

Project: 0990

(In Thousands)

Source of F	unds					Fiv	/e-Yea	ır Ca	apital	Pro	ogram						Maste	r Pl	an				
Type	Approv Appropr		FY2016	FY	2017	FY	′2018	FY	2019	F	Y2020	FY	′2021	FΥ	/2022	FΥ	/2023	FY	2024	F١	/2025	-	Total
Bonds	\$	1,800	\$ -	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	4,500
Paygo		-	-		-		-		-		-		-		-		-		-		-		-
State Aid		-	-		-		-		-		-		-		-		-		-		-		-
Transfer Tax		580	-		-		-		-		-		-		-		-		-		-		580
Z Bonds		-	-		-		-		-		-		-		-		-		-		-		-
Total Funds	\$ 2	2,380	\$ -	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	5,080

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	2,380	-	300	300	300	300	300	300	300	300	300	5,080
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ 2,380	\$ -	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 5,080

Project Commencement FY 2002

Relocatable Classrooms

Project: 0993

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ 13,210	\$ 1,200	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 27,910
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	1,600	-	-	-	-	-	-	-	-	-	-	1,600
Z Bonds	1,400	-	-	-	-	-	-	-	-	-	-	1,400
Total Funds	\$ 16,210	\$ 1,200	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 30,910

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	16,210	1,200	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	30,910
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ 16,210	\$ 1,200	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 30,910

Project Commencement FY 2004

Site Acquisition and Construction Reserve

Project: 0995

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ 9,425	\$ -	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 27,425
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	2,594	-	-	-	-	-	-	-	-	-	-	2,594
Transfer Tax	8,817	-	-	-	-	-	-	-	-	-	-	8,817
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ 20,836	\$ -	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 38,836

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	20,836	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	38,836
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ 20,836	\$ -	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 38,836

Project Commencement FY 2004 Project: 0995

Technology

Project: 1021

(In Thousands)

Source of F	unds			Five-Yea	r Capital	Program			Maste	r Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ 4,986	\$ -	\$ 10,000	\$ 6,000	\$ 5,000	\$ 7,500	\$ 10,000	\$ 5,000	\$ 7,500	\$ 10,000	\$ 6,000	\$ 71,986
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	24,500	5,000	-	-	-	-	-	-	-	-	-	29,500
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ 29,486	\$ 5,000	\$10,000	\$ 6,000	\$ 5,000	\$ 7,500	\$ 10,000	\$ 5,000	\$ 7,500	\$ 10,000	\$ 6,000	\$ 101,486

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-	-	-	-
Equip./Furnishings	29,486	5,000	10,000	6,000	5,000	7,500	10,000	5,000	7,500	10,000	6,000	101,486
Total Expenditures	\$ 29,486	\$ 5,000	\$ 10,000	\$ 6,000	\$ 5,000	\$ 7,500	\$ 10,000	\$ 5,000	\$ 7,500	\$ 10,000	\$ 6,000	\$ 101,486

Project Commencement FY 2011

School Parking Lot Expansions

Project: 1012

(In Thousands)

Source of F	unds				Fiv	e-Yea	r Ca	pital	Pro	ogram						Maste	r Pl	an			
Туре	Approved Appropriatio	FY2016	FY20	017	FY	2018	FY	2019	F`	Y2020	F١	/2021	F۱	Y2022	F١	/2023	FY	′2024	F١	Y2025	Total
Bonds	\$ 2,77	9 \$ -	\$ 6	600	\$	600	\$	600	\$	600	\$	600	\$	600	\$	600	\$	600	\$	600	\$ 8,179
Paygo				-		-		-		-		-		-		-		-		-	-
State Aid	1,42	-		-		-		-		-		-		-		-		-		-	1,421
Transfer Tax				-		-		-		-		-		-		-		-		-	-
Z Bonds				-		-		-		-		-		-		-		-		-	-
Total Funds	\$ 4,20) \$ -	\$ 6	600	\$	600	\$	600	\$	600	\$	600	\$	600	\$	600	\$	600	\$	600	\$ 9,600

Use of Fund	s			Five-Yea	ar Capital	Program			Maste	r Plan		
Description	Appropriation		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ 240	\$ -	\$ 60	\$ 60	\$ 60	\$ 60	\$ 60	\$ 60	\$ 60	\$ 60	\$ 60	\$ 780
Construction	3,960	-	540	540	540	540	540	540	540	540	540	8,820
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ 4,200	\$ -	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 9,600

Project Commencement FY 2008

Board of Education's Approved Capital Budget

Planning and Design

Project: 1038

(In Thousands)

Source of F	unds			Five-Ye	ar Capital	Program			Maste	er Plan		
Туре	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Bonds	\$ -	\$ -	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 2,700
Paygo	-	-	-	-	-	-	-	-	-	-	-	-
State Aid	-	-	-	-	-	-	-	-	-	-	-	-
Transfer Tax	-	300	-	-	-	-	-	-	-	-	-	300
Z Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total Funds	\$ -	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 3,000

Use of Fund	s					Fiv	ve-Yea	ır C	apital	Pro	gram						Maste	r Pl	an			
Description	Approved Appropriation	FY	2016	FY	′2017	FΥ	/2018	FΥ	/2019	FΥ	/2020	F۱	/2021	F١	/2022	FΥ	/2023	FY	′2024	FY	′2025	Total
Plans/Engineering	\$ -	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$ 3,000
Construction	-		-		-		-		-		-		-		-		-		-		-	-
Equip./Furnishings	-		-		-		-		-		-		-		-		-		-		-	-
Total Expenditures	\$ -	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$	300	\$ 3,000

Project Commencement FY 2016

Barrier Free

Project: 0989

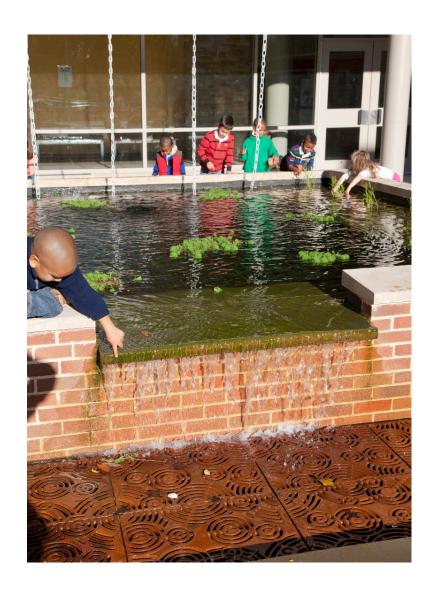
(In Thousands)

Source of F	unds						Fiv	/e-Yea	ır Ca	apital	Pro	ogram						Maste	r Pl	an				
Туре	Approvi Appropria		FY	2016	FY	2017	FY	′2018	FY	2019	F`	Y2020	FY	′2021	F١	/2022	FΥ	′2023	FY	′2024	FY	′2025	-	Total
Bonds	\$ 3	3,675	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	5,675
Paygo		303		-		-		-		-		-		-		-		-		-		-		303
State Aid		-		-		-		-		-		-		-		-		-		-		-		-
Transfer Tax	1	,250		-		-		-		-		-		-		-		-		-		-		1,250
Z Bonds		-		-		-		-		-		-		-		-		-		-		-		-
Total Funds	\$ 5	5,228	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	200	\$	7,228

Use of Fund	s			Five-Yea	r Capital	Program			Maste	r Plan		
Description	Approved Appropriation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Plans/Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	5,228	200	200	200	200	200	200	200	200	200	200	7,228
Equip./Furnishings	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	\$ 5,228	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 7,228

Project Commencement FY 1989

Project: 0989



Howard County Public School System

Board of Education's Approved FY 2016 Capital Budget

Capital Improvement Program FY 2017–2021 Long-Range Master Plan FY 2016–2025

Supporting Data

June 2015



Pre-Measures

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Chart reflects May 2014	Projection	•		ucation		- ' '		•			20	10 10	20.	0.20	20	20. 24	20	24 22	20	22 22	20.	22.24	20	24 25	20	125.26
Calumbia Fast	204 <i>E</i>		acity	2040		15-16		16-17		17-18		18-19		9-20		20-21		21-22		22-23		23-24		0/ 14:1		0/ 14:1
Columbia - East	2015	2016	2017	2018	-	% Util.	-	% Util.		% Util.	•	% Util.		% Util.	-	% Util.		% Util.		% Util.		% Util.	-		Proj	
Cradlerock ES	398	398	398	398	465	116.8 C	460	115.6 C	455	114.3	463	116.3 C		113.1	446	112.1	446	112.1	443	111.3	462	116.1 C	479	120.4 C	497	124.9
Jeffers Hill ES	421	421	421	421	424	100.7	417	99.0	393	93.3	384	91.2	387	91.9	392	93.1	396	94.1	396	94.1	402	95.5	405	96.2	410	97.4
Phelps Luck ES	616	616	616	616	571	92.7	574	93.2	559	90.7	544	88.3	546	88.6	549	89.1	557	90.4	561	91.1	558	90.6	564	91.6	567	92.0
Stevens Forest ES	399	399	399	399	430	107.8	439	110.0	452	113.3	455	114.0	454	113.8	460	115.3 C	463	116.0 C	469	117.5 C	467	117.0 C	470	117.8 C	474	118.8
Talbott Springs ES	377	377	377	377	405	107.4	395	104.8	384	101.9	381	101.1	386	102.4	382	101.3	381	101.1	384	101.9	391	103.7	395	104.8	399	105.8
Thunder Hill ES	509	509	509	509	530	104.1	529	103.9	525	103.1	523	102.8	518	101.8	522	102.6	520	102.2	527	103.5	536	105.3	542	106.5	545	107.1
Region Totals	2720	2720	2720	2720	2825	103.9	2814	103.5	2768	101.8	2750	101.1	2741	100.8	2751	101.1	2763	101.6	2780	102.2		103.5	2855		2892	
Columbia - West																										
	264	264	264	264	242	05.0	254	07.0	250	00.2	274	100.0	270	105.0	204	10E E	204	106.4	200	107.0	200	100.0	202	100.6	207	1100
Bryant Woods ES	361	361	361	361	343	95.0	351	97.2	358	99.2	371	102.8	379	105.0	381	105.5	384	106.4	389	107.8	390	108.0	392	108.6	397	110.0
Clemens Crossing ES	521	521	521	521	518	99.4	525	100.8	524	100.6	524	100.6	520	99.8	530	101.7	524	100.6	521	100.0	505	96.9	497	95.4	493	94.6
Longfellow ES	512	512	512	512	437	85.4	438	85.5	426	83.2	442	86.3	435	85.0	432	84.4	432	84.4	429	83.8	434	84.8	439	85.7	444	86.7
Running Brook ES	515	515	515	515	551	107.0	609	118.3 C	664	128.9 C	727	141.2 C	779	151.3 C	837	162.5 C	894	173.6 C	950	184.5 C	995	193.2 C	1023	198.6 C	1047	203.3
Swansfield ES	A 521	521	521	621	576	110.6	573	110.0	564	108.3	566	91.1	557	89.7	557	89.7	554	89.2	562	90.5	565	91.0	571	91.9	576	92.8
Region Totals	2430	2430	2430	2530	2425	99.8	2496	102.7	2536	104.4	2630	104.0	2670	105.5	2737	108.2		110.2	2851	112.7	2889	114.2	2922		2957	
Northeastern																										
	751	751	751	751	602	00.0	724	07.7	700	1010	0.44	112.0	006	1100 0	017	100 1 6	026	1046 6	020	1240 6	000	100.0	027	100 4 6	000	100.0
Bellows Spring ES	751	751 770	751 770	751	683	90.9	734	97.7	788	104.9	841	112.0	886	118.0 C	917	122.1 C	936	124.6 C	938	124.9 C	923	122.9 C	927	123.4 C	922	122.8
Deep Run ES	A 672	772	772	772	688	102.4	736	95.3	769	99.6	817	105.8	818	106.0	845	109.5	867	112.3	867	112.3	870	112.7	868	112.4	862	111.7
Ducketts Lane ES	669	669	669	669	774	115.7 C	859	128.4 C	970	145.0 C	1091	163.1 C		176.1 C	1256	187.7 C	1308	195.5 C	1336	199.7 C	1314	196.4 C	1282	191.6 C	1251	187.0
Elkridge ES	760	760	760	760	826	108.7	851	112.0	862	113.4	886	116.6 C	894	117.6 C	896	117.9 C	898	118.2 C	909	119.6 C	924	121.6 C	946	124.5 C	969	127.5
llchester ES	653	653	653	653	694	106.3	671	102.8	640	98.0	601	92.0	579	88.7	584	89.4	601	92.0	639	97.9	671	102.8	691	105.8	726	111.2
Rockburn ES	672	672	672	672	619	92.1	604	89.9	599	89.1	610	90.8	597	88.8	614	91.4	651	96.9	687	102.2	712	106.0	733	109.1	756	112.5
			788									117.5 C		117.1 C		115.6 C	882	111.9	870	110.4	880		884	112.2		
Veterans ES	788	788		788	858	108.9	885	112.3	913	115.9 C					911							111.7			894	113.5
Waterloo ES	663	663	663	663	587	88.5	622	93.8	643	97.0	670	101.1	674	101.7	685	103.3	700	105.6	701	105.7	703	106.0	712	107.4	721	108.7
Worthington ES	590	590	590	590	551	93.4	542	91.9	540	91.5	527	89.3	523	88.6	508	86.1	489	82.9	502	85.1	512	86.8	534	90.5	554	93.9
Region Totals	6218	6318	6318	6318	6280	101.0	6504	102.9	6724	106.4	6969	110.3	7072	111.9	7216	114.2	7332	116.0 C	7449	117.9 C	7509	118.9 C	7577	119.9 C	7655	121.2
Northern																										
Centennial Lane ES	647	647	647	647	693	107.1	720	111.3	736	113.8	756	116.8 C	790	122.1 C	810	125.2 C	814	125.8 C	818	126.4 C	822	127.0 C	826	127.7 C	831	128.4
Hollifield Station ES														. — —												
	694	694	694	694	685	98.7	693	99.9	710	102.3	730	105.2	748	107.8	792	114.1	823	118.6 C	845	121.8 C	851	122.6 C	860	123.9 C		122.8
Manor Woods ES	681	681	681	681	738	108.4	811	119.1 C	914	134.2 C		150.5 C		165.3 C	1230	180.6 C	1307	191.9 C	1356	199.1 C	1367		1354	198.8 C		192.8
Northfield ES	700	700	700	700	706	100.9	703	100.4	709	101.3	714	102.0	721	103.0	727	103.9	738	105.4	742	106.0	764	109.1	783	111.9	828	118.3
St Johns Lane ES	612	612	612	612	731	119.4 C	726	118.6 C	750	122.5 C	762	124.5 C	751	122.7 C	773	126.3 C	774	126.5 C	784	128.1 C	780	127.5 C	787	128.6 C	809	132.2
Waverly ES	A 638	638	738	738	724	113.5	714	111.9	673	91.2	645	87.4	635	86.0	614	83.2	609	82.5	613	83.1	621	84.1		85.9		89.6
Region Totals		000		, 00	-		4367					01.1		00.0	0	00.2		02.0	0.0				0.34		661	
region rotals		3972		4072	4277	107 /		1114 4		1103	4632	113.8		117 2 C	4946	121 5 C		124 4 C	5158				634 5244		661 5294	
	3972	3972	4072	4072	4277	107.7	4307	109.9	4492	110.3	4632	113.8	4771	117.2 C	4946	121.5 C		124.4 C	5158	126.7 C		127.8 C				
			4072										4771				5065			126.7 C	5205	127.8 C	5244	128.8 C	5294	130.0
Atholton ES	424	424	4072 424	424	392	92.5	403	95.0	412	97.2	403	95.0	4771 416	98.1	416	98.1	5065 419	98.8	422	126.7 C 99.5	5205 425	127.8 C 100.2	5244 428	128.8 C 100.9	5294 434	130.0 102.4
Atholton ES Bollman Bridge ES	424 666	424 666	4072 424 666	424 666	392 710	92.5 106.6	403 722	95.0 108.4	412 763	97.2 114.6	403 794	95.0 119.2 C	4771 416 841	98.1 126.3 C		98.1 130.6 C	5065 419 893	98.8 134.1 C	422 903	99.5 135.6 C	5205	127.8 C 100.2 138.0 C	5244 428 934	100.9 140.2 C	5294 434 938	102.4 140.8
Atholton ES Bollman Bridge ES	424	424	4072 424	424	392	92.5	403	95.0	412	97.2	403 794	95.0	416 841	98.1	416	98.1	5065 419	98.8	422	126.7 C 99.5	5205 425	127.8 C 100.2	5244 428	128.8 C 100.9	5294 434 938	102.4 140.8
Atholton ES Bollman Bridge ES Forest Ridge ES	424 666 669	424 666 669	424 666 669	424 666 669	392 710 815	92.5 106.6 121.8 C	403 722 850	95.0 108.4 127.1 C	412 763 901	97.2 114.6 134.7 C	403 794 935	95.0 119.2 C 139.8 C	416 841 979	98.1 126.3 C 146.3 C	416 870	98.1 130.6 C	5065 419 893	98.8 134.1 C 153.1 C	422 903 1048	99.5 135.6 C 156.7 C	5205 425 919	100.2 138.0 C 161.1 C	5244 428 934	100.9 140.2 C	5294 434 938	102.4 140.8 160.7
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES	424 666 669 700	424 666 669 700	424 666 669 700	424 666 669 700	392 710 815 690	92.5 106.6 121.8 C 98.6	403 722 850 725	95.0 108.4 127.1 C 103.6	412 763 901 726	97.2 114.6 134.7 C 103.7	403 794 935 739	95.0 119.2 C 139.8 C 105.6	416 841 979 736	98.1 126.3 C 146.3 C 105.1	416 870 1017 745	98.1 130.6 C 152.0 C 106.4	419 893 1024 744	98.8 134.1 C 153.1 C 106.3	422 903 1048 751	99.5 135.6 C 156.7 C	425 919 1078 741	100.2 138.0 C 161.1 C 105.9	428 934 1085 731	100.9 140.2 C 162.2 C 104.4	434 938 1075 724	102.4 140.8 160.7 103.4
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES	424 666 669 700 465	424 666 669 700 465	424 666 669 700 465	424 666 669 700 465	392 710 815 690 494	92.5 106.6 121.8 C 98.6 106.2	403 722 850 725 512	95.0 108.4 127.1 C 103.6 110.1	412 763 901 726 503	97.2 114.6 134.7 C 103.7 108.2	403 794 935 739 498	95.0 119.2 C 139.8 C 105.6 107.1	416 841 979 736 507	98.1 126.3 C 146.3 C 105.1 109.0	416 870 1017 745 514	98.1 130.6 C 152.0 C 106.4 110.5	419 893 1024 744 505	98.8 134.1 C 153.1 C 106.3 108.6	422 903 1048 751 511	99.5 135.6 C 156.7 C 107.3 109.9	425 919 1078 741 511	100.2 138.0 C 161.1 C 105.9 109.9	428 934 1085 731 518	100.9 140.2 C 162.2 C 104.4 111.4	434 938 1075 724 530	102.4 140.8 160.7 103.4 114.0
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES	424 666 669 700 465 653	424 666 669 700 465 653	424 666 669 700 465 653	424 666 669 700 465 653	392 710 815 690 494 612	92.5 106.6 121.8 C 98.6 106.2 93.7	403 722 850 725 512 612	95.0 108.4 127.1 C 103.6 110.1 93.7	412 763 901 726 503 614	97.2 114.6 134.7 C 103.7 108.2 94.0	403 794 935 739 498 622	95.0 119.2 C 139.8 C 105.6 107.1 95.3	416 841 979 736 507 645	98.1 126.3 C 146.3 C 105.1 109.0 98.8	416 870 1017 745 514 689	98.1 130.6 C 152.0 C 106.4 110.5 105.5	419 893 1024 744 505 705	98.8 134.1 C 153.1 C 106.3 108.6 108.0	422 903 1048 751 511 713	99.5 135.6 C 156.7 C 107.3 109.9 109.2	425 919 1078 741 511 732	100.2 138.0 C 161.1 C 105.9 109.9 112.1	428 934 1085 731 518 755	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C	434 938 1075 724 530 780	130.0 102.4 140.8 160.7 103.4 114.0 119.4
Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES	424 666 669 700 465 653 A 640	424 666 669 700 465 653 640	424 666 669 700 465 653 640	424 666 669 700 465 653 640	392 710 815 690 494 612 544	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	403 722 850 725 512 612 541	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5	412 763 901 726 503 614 558	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2	403 794 935 739 498 622 573	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5	416 841 979 736 507 645 559	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3	416 870 1017 745 514 689 547	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5	419 893 1024 744 505 705 558	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2	422 903 1048 751 511 713 552	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3	425 919 1078 741 511 732 554	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6	428 934 1085 731 518 755 555	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7	434 938 1075 724 530 780 558	102.4 140.8 160.7 103.4 114.0 119.4 87.2
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES	424 666 669 700 465 653	424 666 669 700 465 653	424 666 669 700 465 653	424 666 669 700 465 653	392 710 815 690 494 612	92.5 106.6 121.8 C 98.6 106.2 93.7	403 722 850 725 512 612	95.0 108.4 127.1 C 103.6 110.1 93.7	412 763 901 726 503 614	97.2 114.6 134.7 C 103.7 108.2 94.0	403 794 935 739 498 622	95.0 119.2 C 139.8 C 105.6 107.1 95.3	416 841 979 736 507 645	98.1 126.3 C 146.3 C 105.1 109.0 98.8	416 870 1017 745 514 689	98.1 130.6 C 152.0 C 106.4 110.5 105.5	419 893 1024 744 505 705 558	98.8 134.1 C 153.1 C 106.3 108.6 108.0	422 903 1048 751 511 713	99.5 135.6 C 156.7 C 107.3 109.9 109.2	425 919 1078 741 511 732	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6	428 934 1085 731 518 755	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7	434 938 1075 724 530 780	102.4 140.8 160.7 103.4 114.0 119.4 87.2
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western	424 666 669 700 465 653 A 640 4217	424 666 669 700 465 653 640 4217	424 666 669 700 465 653 640 4217	424 666 669 700 465 653 640 4217	392 710 815 690 494 612 544 4257	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	403 722 850 725 512 612 541 4365	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5	412 763 901 726 503 614 558 4477	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2	403 794 935 739 498 622 573 4564	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5	4771 416 841 979 736 507 645 559 4683	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1	416 870 1017 745 514 689 547 4798	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8	419 893 1024 744 505 705 558 4848	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0	422 903 1048 751 511 713 552 4900	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C	425 919 1078 741 511 732 554 4960	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C	428 934 1085 731 518 755 555 5006	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7	434 938 1075 724 530 780 558 5039	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western	424 666 669 700 465 653 A 640	424 666 669 700 465 653 640	424 666 669 700 465 653 640	424 666 669 700 465 653 640	392 710 815 690 494 612 544	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	403 722 850 725 512 612 541	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5	412 763 901 726 503 614 558	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2	403 794 935 739 498 622 573 4564	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5	4771 416 841 979 736 507 645 559 4683	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3	416 870 1017 745 514 689 547	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5	419 893 1024 744 505 705 558	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2	422 903 1048 751 511 713 552	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3	425 919 1078 741 511 732 554	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6	428 934 1085 731 518 755 555	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7	434 938 1075 724 530 780 558	102.4 140.8 160.7 103.4 114.0 119.4 87.2
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES	424 666 669 700 465 653 A 640 4217	424 666 669 700 465 653 640 4217	424 666 669 700 465 653 640 4217	424 666 669 700 465 653 640 4217	392 710 815 690 494 612 544 4257	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9	403 722 850 725 512 612 541 4365	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5	412 763 901 726 503 614 558 4477	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2	403 794 935 739 498 622 573 4564	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2	4771 416 841 979 736 507 645 559 4683	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1	416 870 1017 745 514 689 547 4798	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8	419 893 1024 744 505 705 558 4848	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0	422 903 1048 751 511 713 552 4900	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C	425 919 1078 741 511 732 554 4960	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C	428 934 1085 731 518 755 555 5006	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7 118.7 C	434 938 1075 724 530 780 558 5039	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES	424 666 669 700 465 653 A 640 4217 788 612	424 666 669 700 465 653 640 4217 788 612	424 666 669 700 465 653 640 4217 788 612	424 666 669 700 465 653 640 4217 788 612	392 710 815 690 494 612 544 4257 572 459	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9	403 722 850 725 512 612 541 4365 561 442	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5	412 763 901 726 503 614 558 4477	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2	403 794 935 739 498 622 573 4564 569 394	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2	4771 416 841 979 736 507 645 559 4683	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1	416 870 1017 745 514 689 547 4798 575 378	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8	5065 419 893 1024 744 505 705 558 4848 573 377	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0	422 903 1048 751 511 713 552 4900 583 384	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C	425 919 1078 741 511 732 554 4960 573 384	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C	428 934 1085 731 518 755 555 5006 581 387	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7 118.7 C	434 938 1075 724 530 780 558 5039 600 391	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5 76.1 63.9
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES	424 666 669 700 465 653 A 640 4217 788 612 788	424 666 669 700 465 653 640 4217 788 612 788	424 666 669 700 465 653 640 4217 788 612 788	424 666 669 700 465 653 640 4217 788 612 788	392 710 815 690 494 612 544 4257 572 459 594	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9	403 722 850 725 512 612 541 4365 561 442 617	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5	412 763 901 726 503 614 558 4477 562 417 601	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2	403 794 935 739 498 622 573 4564 569 394 576	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 72.2 64.4 73.1	416 841 979 736 507 645 559 4683	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1	416 870 1017 745 514 689 547 4798 575 378 531	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8	419 893 1024 744 505 705 558 4848 573 377 540	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0	422 903 1048 751 511 713 552 4900 583 384 520	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C	425 919 1078 741 511 732 554 4960 573 384 531	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C	428 934 1085 731 518 755 555 5006 581 387 535	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7 118.7 C	434 938 1075 724 530 780 558 5039 600 391 539	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5 76.1 63.9 68.4
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES	424 666 669 700 465 653 A 640 4217 788 612 788 788	424 666 669 700 465 653 640 4217 788 612 788 788	424 666 669 700 465 653 640 4217 788 612 788 788	424 666 669 700 465 653 640 4217 788 612 788 788	392 710 815 690 494 612 544 4257 572 459 594 770	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9	403 722 850 725 512 612 541 4365 561 442 617 838	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3	412 763 901 726 503 614 558 4477 562 417 601 882	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 71.3 68.1 76.3 111.9	403 794 935 739 498 622 573 4564 569 394 576 918	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 72.2 64.4 73.1 116.5 C	4771 416 841 979 736 507 645 559 4683 565 382 545 929	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1 71.7 62.4 69.2 117.9 C	416 870 1017 745 514 689 547 4798 575 378 531 929	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8 73.0 61.8 67.4 117.9 C	5065 419 893 1024 744 505 705 558 4848 573 377 540 912	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0 72.7 61.6 68.5 115.7 C	422 903 1048 751 511 713 552 4900 583 384 520 896	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C	5205 425 919 1078 741 511 732 554 4960 573 384 531 853	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C	428 934 1085 731 518 755 555 5006 581 387 535 838	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7 118.7 C	434 938 1075 724 530 780 558 5039 600 391 539 823	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5 76.1 63.9 68.4 104.4
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES	424 666 669 700 465 653 A 640 4217 788 612 788 788 527	424 666 669 700 465 653 640 4217 788 612 788 788 527	424 666 669 700 465 653 640 4217 788 612 788 788 527	424 666 669 700 465 653 640 4217 788 612 788 788 527	392 710 815 690 494 612 544 4257 572 459 594 770 368	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9 72.6 75.0 75.4 97.7 69.8	403 722 850 725 512 612 541 4365 561 442 617 838 357	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7	412 763 901 726 503 614 558 4477 562 417 601 882 362	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 71.3 68.1 76.3 111.9 68.7	403 794 935 739 498 622 573 4564 569 394 576 918 357	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 72.2 64.4 73.1 116.5 C 67.7	4771 416 841 979 736 507 645 559 4683 565 382 545 929 346	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1 71.7 62.4 69.2 117.9 C 65.7	416 870 1017 745 514 689 547 4798 575 378 531 929 344	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8 73.0 61.8 67.4 117.9 C 65.3	419 893 1024 744 505 705 558 4848 573 377 540 912 344	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0 72.7 61.6 68.5 115.7 C 65.3	422 903 1048 751 511 713 552 4900 583 384 520 896 355	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C 74.0 62.7 66.0 113.7 67.4	5205 425 919 1078 741 511 732 554 4960 573 384 531 853 363	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C 72.7 62.7 67.4 108.2 68.9	428 934 1085 731 518 755 555 5006 581 387 535	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7 118.7 C	5294 434 938 1075 724 530 780 558 5039 600 391 539 823 371	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5 76.1 63.9 68.4 104.4 70.4
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES	424 666 669 700 465 653 A 640 4217 788 612 788 788	424 666 669 700 465 653 640 4217 788 612 788 788	424 666 669 700 465 653 640 4217 788 612 788 788 527 744	424 666 669 700 465 653 640 4217 788 612 788 788	392 710 815 690 494 612 544 4257 572 459 594 770	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9	403 722 850 725 512 612 541 4365 561 442 617 838	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3	412 763 901 726 503 614 558 4477 562 417 601 882	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 71.3 68.1 76.3 111.9 68.7 98.8	403 794 935 739 498 622 573 4564 569 394 576 918	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 72.2 64.4 73.1 116.5 C	4771 416 841 979 736 507 645 559 4683 565 382 545 929	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1 71.7 62.4 69.2 117.9 C	416 870 1017 745 514 689 547 4798 575 378 531 929	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8 73.0 61.8 67.4 117.9 C	5065 419 893 1024 744 505 705 558 4848 573 377 540 912	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0 72.7 61.6 68.5 115.7 C	422 903 1048 751 511 713 552 4900 583 384 520 896	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C	5205 425 919 1078 741 511 732 554 4960 573 384 531 853	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C	428 934 1085 731 518 755 555 5006 581 387 535 838	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7 118.7 C	434 938 1075 724 530 780 558 5039 600 391 539 823	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5 76.1 63.9 68.4 104.4 70.4 101.9
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES	424 666 669 700 465 653 A 640 4217 788 612 788 788 527 744	424 666 669 700 465 653 640 4217 788 612 788 788 527 744	424 666 669 700 465 653 640 4217 788 612 788 788 527 744	424 666 669 700 465 653 640 4217 788 612 788 788 527 744	392 710 815 690 494 612 544 4257 572 459 594 770 368 701	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9 72.6 75.0 75.4 97.7 69.8 94.2	403 722 850 725 512 612 541 4365 561 442 617 838 357 723	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7 97.2	412 763 901 726 503 614 558 4477 562 417 601 882 362 735	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 71.3 68.1 76.3 111.9 68.7 98.8	403 794 935 739 498 622 573 4564 569 394 576 918 357 749	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 72.2 64.4 73.1 116.5 C 67.7 100.7	4771 416 841 979 736 507 645 559 4683 565 382 545 929 346 729	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1 71.7 62.4 69.2 117.9 C 65.7 98.0	416 870 1017 745 514 689 547 4798 575 378 531 929 344 734	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8 73.0 61.8 67.4 117.9 C 65.3 98.7	419 893 1024 744 505 705 558 4848 573 377 540 912 344 747	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0 72.7 61.6 68.5 115.7 C 65.3 100.4	422 903 1048 751 511 713 552 4900 583 384 520 896 355 742	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C 74.0 62.7 66.0 113.7 67.4 99.7	5205 425 919 1078 741 511 732 554 4960 573 384 531 853 363 744	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C 72.7 62.7 67.4 108.2 68.9 100.0	428 934 1085 731 518 755 555 5006 581 387 535 838 369 748	128.8 C 100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7 118.7 C 73.7 63.2 67.9 106.3 70.0 100.5	5294 434 938 1075 724 530 780 558 5039 600 391 539 823 371 758	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5 76.1 63.9 68.4 104.4 70.4 101.9
Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals	424 666 669 700 465 653 A 640 4217 788 612 788 788 527	424 666 669 700 465 653 640 4217 788 612 788 788 527	424 666 669 700 465 653 640 4217 788 612 788 788 527	424 666 669 700 465 653 640 4217 788 612 788 788 527	392 710 815 690 494 612 544 4257 572 459 594 770 368	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9 72.6 75.0 75.4 97.7 69.8	403 722 850 725 512 612 541 4365 561 442 617 838 357	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7	412 763 901 726 503 614 558 4477 562 417 601 882 362	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 71.3 68.1 76.3 111.9 68.7	403 794 935 739 498 622 573 4564 569 394 576 918 357	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 72.2 64.4 73.1 116.5 C 67.7	4771 416 841 979 736 507 645 559 4683 565 382 545 929 346	98.1 126.3 C 146.3 C 105.1 109.0 98.8 87.3 111.1 71.7 62.4 69.2 117.9 C 65.7	416 870 1017 745 514 689 547 4798 575 378 531 929 344	98.1 130.6 C 152.0 C 106.4 110.5 105.5 85.5 113.8 73.0 61.8 67.4 117.9 C 65.3	419 893 1024 744 505 705 558 4848 573 377 540 912 344	98.8 134.1 C 153.1 C 106.3 108.6 108.0 87.2 115.0 72.7 61.6 68.5 115.7 C 65.3	422 903 1048 751 511 713 552 4900 583 384 520 896 355	99.5 135.6 C 156.7 C 107.3 109.9 109.2 86.3 116.2 C 74.0 62.7 66.0 113.7 67.4	5205 425 919 1078 741 511 732 554 4960 573 384 531 853 363	100.2 138.0 C 161.1 C 105.9 109.9 112.1 86.6 117.6 C 72.7 62.7 67.4 108.2 68.9	428 934 1085 731 518 755 555 5006 581 387 535 838 369	100.9 140.2 C 162.2 C 104.4 111.4 115.6 C 86.7 118.7 C	5294 434 938 1075 724 530 780 558 5039 600 391 539 823 371	130.0 102.4 140.8 160.7 103.4 114.0 119.4 87.2 119.5 76.1 63.9 68.4 104.4 70.4

^{&#}x27;A' includes additions as reflected in FY 2015 CIP for grades K-5

5242 5242 5242 5242 4279 81.6

24799 24899 24999 25099 24343 **98.2**

4399 83.9

24945 **100.2**

4454 **85.0**

25451 **101.8**

4465 <mark>85.2</mark>

26010 **103.6**

4386 <mark>83.7</mark>

26323 **104.9**

4386 <mark>83.7</mark>

26834 **106.9**

4392 <mark>83.8</mark>

27188 **108.3**

4391 83.8

27529 **109.7**

4361 <mark>83.2</mark>

27740 **110.5**

4372 83.4

27976 **111.5**

4399 <mark>83.9</mark>

28236 **112.5**

Region Totals

Countywide Totals

^{&#}x27;NS' New School proposed in FY 2015 Capital Budget

Pre-Measures

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Board of Education's Approved FY 2015 Capital Budget Projects - Not Test for APFO

Chart reflects May	2014 Projections,	Board of Education's FY 2015	approved capacitie	s, and no redistricting.

			Capa	acity		20	15-16	20	16-17	20	17-18	20	18-19	20	19-20	20	20-21	20	21-22	20	22-23	20	23-24	20	24-25	20	25-26
Columbia - East	20)15	2016	2017	2018	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proi	% Util.	Proj	% Util.
Lake Elkhorn MS	6	43	643	643	643	554	86.2	563	87.6	604	93.9	622	96.7	626	97.4	620	96.4	625	97.2	624	97.0	611	95.0	611	95.0	610	94.9
Oakland Mills MS	5	06	506	506	506	486	96.0	484	95.7	486	96.0	512	101.2	518	102.4	519	102.6	516	102.0	513	101.4	520	102.8	521	103.0	528	104.3
Region MS Totals	11	149	1149	1149	1149	1040	90.5	1047	91.1	1090	94.9	1134	98.7	1144	99.6	1139	99.1	1141	99.3	1137	99.0	1131	98.4	1132	98.5	1138	99.0
_																											
Columbia - West																								•			
Harpers Choice MS	5	06	506	506	506	559	110.5	574	113.4	598	118.2 C	592	117.0 C	612	120.9 C	591	116.8 C	616	121.7 C	596	117.8 C	590	116.6	584	115.4 C	587	116.0 C
Wilde Lake MS	R 4		467	701	701	573	122.7		128.3 C		95.6	693	98.9	741	105.7	740	105.6	768	109.6	787	112.3	834	119.0		124.8 C		131.5 C
Region MS Totals	9	73	973	1207	1207	1132	116.3	1173	120.6 C	1268	105.1	1285	106.5	1353	112.1	1331	110.3	1384	114.7	1383	114.6	1424	118.0	1459	120.9 C	1509	125.0 C
Northeastern																											
Bonnie Branch MS		62	662	662	662	641	96.8	655	98.9	693	104.7	735	111.0	749	113.1	699	105.6	667	100.8	649	98.0	657	99.2	650	98.2	657	99.2
Elkridge Landing MS		79	779	779	779	752	96.5	741	95.1	763	97.9	734	94.2	742	95.3	747	95.9	782	100.4	798	102.4	816	104.7	838	107.6	845	108.5
Ellicott Mills MS		62	662	662	662	791	119.5		121.1 C	840	126.9 C	852	128.7 C	883	133.4 C		137.3 C		141.5 C	929	140.3 C	931		917	138.5 C		139.9 C
Mayfield Woods MS		98	798	798	798	666	83.5	698	87.5	757	94.9	780	97.7	851	106.6	863	108.1	901	112.9	916	114.8	964	120.8		126.2 C		127.9 C
		62	662	662	662	574	86.7	629	95.0	700	105.7	733	110.7	803	121.3 C		125.8 C		134.6 C	899	135.8 C		145.9		155.0 C		165.1 C
Region MS Totals	35	563	3563	3563	3563	3424	96.1	3525	98.9	3753	105.3	3834	107.6	4028	113.1	4051	113.7	4178	117.3 C	4191	117.6 C	4334	121.6	2 4438	124.6 C	4542	127.5 C
Northern																								_	_		_
Burleigh Manor MS		79	779	779	779	774	99.4	784	100.6	769	98.7	767	98.5	782	100.4	808	103.7	839	107.7	892	114.5	938	120.4		125.3 C		128.2 C
Dunloggin MS		65	565	565	565	628	111.2	668	118.2 C		119.3 C	674	119.3 C		120.0 C		121.9 C		126.0 C		126.7 C		127.8		127.4 C		127.6 C
Patapsco MS		43	643	643	643	697	108.4	703	109.3	731	113.7	752	117.0 C		119.4 C		118.5 C		120.2 C		117.1 C		122.2		122.7 C		126.3 C
Region MS Totals	19	987	1987	1987	1987	2099	105.6	2155	108.5	2174	109.4	2193	110.4	2228	112.1	2259	113.7	2324	117.0 C	2361	118.8 C	2446	123.1	2485	125.1 C	2532	127.4 C
0																											
Southeastern	0	0.4	004	004	004	500	00.7	500	00.7	000	00.7	000	1011	054	400.0	000	440.0	CO.E	440.4	700	4474 0	700	400.0	• 7F0	405.5.0	774	407.0.0
Hammond MS		04	604	604	604	560	92.7 97.3	596	98.7 104.1	602	99.7	629	104.1	654	108.3	682	112.9	685 839	113.4 126.7 C	709 800	117.4 C	738 792	122.2		125.5 C 121.5 C		127.6 C
Murray Hill MS Patuxent Valley MS		62 60	662 760	662 760	662 760	644 685	97.3	689 766	104.1	727 758	109.8 99.7	746 844	112.7 111.1	810 838	122.4 C 110.3	843 873	127.3 C 114.9	, 639 878	126.7 C 115.5 C		120.8 C 119.9 C		119.6 (124.7 (121.5 C		121.5 C 133.9 C
Region MS Totals			2026	2026	2026	1889	93.2	2051	100.8	2087	103.0	2219			113.6	2398	118.4 C				119.9 C				125.3 C		128.0 C
Region wis Totals	20)ZO	2020	2020	2020	1009	93.2	2031	101.2	2007	103.0	2219	109.5	2302	113.0	2390	110.4	, 2402	110.0 C	2420	119.4 C	2470	122.5	, 2556	120.5	2393	120.0 C
Western																											
Clarksville MS	6	43	643	643	643	602	93.6	579	90.0	543	84.4	521	81.0	537	83.5	514	79.9	490	76.2	470	73.1	476	74.0	482	75.0	479	74.5
Folly Quarter MS		43 62	662	662	662	606	91.5	610	92.1	632	95.5	649	98.0	706	106.6	710	107.3	704	106.3	700	105.7	723	109.2	732	110.6	719	108.6
Glenwood MS		45	545	545	545	565	103.7	544	99.8	533	97.8	497	91.2	521	95.6	515	94.5	523	96.0	485	89.0	493	90.5	487	89.4	512	93.9
Lime Kiln MS		4 3	701	701	701	720	103.7	728	103.9	722	103.0	724	103.3	774	110.4	779	111.1	786	112.1	788	112.4	804	114.7	811	115.7 C		113.7
Mount View MS		98	798	798	798	762	95.5	779	97.6	796	99.7	832	103.3	848	106.3	867	108.6	855	107.1	875	109.6	882	110.5	922	115.7 C		117.5 C
Region MS Totals			3349	3349	3349	3255	97.2	3240	96.7	3226	96.3	3223	96.2	3386		3385		3358		3318	99.1	3378		3434	102.5	3445	102.9
Countywide Totals					13281			13191	101.1	13598			104.6		108.7		109.7	14787			111.5		114.4	15486		15759	
Countywide Totals	13	U 4 /	10041	10201	13201	12009	30.4	13131	101.1	10080	102.4	10000	104.0	17441	100.7	14000	103.7	14/0/	111.0	14010	111.0	10131	114.4	15466	110.0	10108	110.7

'A' includes additions as reflected in FY 2015 CIP for grades 6-8

Pre-Measures

HIGH SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Board of Education's Approved FY 2015 Capital Budget Projects - Not Test for APFO Chart reflects May 2014 Projections, Board of Education's FY 2015 approved capacities, and no redistricting.

Chart reflects May 201	4 Projec	tions, B	oard of	Education																						
		Cap	acity		20	15-16	201	6-17	201	7-18	201	8-19	201	9-20	202	20-21	202	1-22	202	22-23	202	23-24	202	24-25	202	25-26
Columbia - East	2015	2016	2017	2018	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Oakland Mills HS	1400	1400	1400	1400	1161	82.9	1240	88.6	1279	91.4	1280	91.4	1355	96.8	1369	97.8	1400	100.0	1449	103.5	1451	103.6	1455	103.9	1461	104.4
<u> </u>																										
Columbia - West																										
Wilde Lake HS	1424	1424	1424	1424	1335	93.8	1369	96.1	1439	101.1	1483	104.1	1531	107.5	1618	113.6	1629	114.4	1680	118.0	1711	120.2	1709	120.0	1748	122.8
Northoostorn					T																					
Northeastern Howard HS	1420	1420	1420	1420	1867	131.5	1997	140.6	2138	150.6	2270	159.9	2341	164.9	2415	170.1	2465	173.6	2526	178.6	2579	181.6	2560	180.9	2611	183.9
		_	1488							112.8	_				_				2536		2233		2569		2389	160.6
Long Reach HS	1488	1488	2908	1488	1494	100.4	1582	106.3	1678 3816	131.2	1762 4032	118.4	1868 4209	125.5 144.7	1986 4401	133.5 151.3	2026 4491	136.2 154.4	2166	145.6 161.7		150.1	2261	151.9		
Region HS Totals	2908	2908	2908	2908	3361	115.6	3579	123.1	3816	131.2	4032	138.7	4209	144.7	4401	151.3	4491	154.4	4702	161.7	4812	165.5	4830	166.1	5000	171.9
Northern																										
Centennial HS	1360	1360	1360	1360	1447	106.4	1495	109.9	1588	116.8	1640	120.6	1651	121.4	1666	122.5	1680	123.5	1688	124.1	1728	127.1	1795	132.0	1846	135.7
Marriotts Ridge HS	1615	1615	1615	1615	1258	77.9	1303	80.7	1374	85.1	1426	88.3	1428	88.4	1464	90.7	1497	92.7	1518	94.0	1545	95.7	1551	96.0	1563	96.8
Mt Hebron HS	1400	1400	1400	1400	1460	104.3	1542	110.1	1583	113.1	1639	117.1	1735	123.9	1755	125.4	1805	128.9	1860	132.9	1852	132.3	1888	134.9	1893	135.2
Region HS Totals	4375	4375	4375	4375	4165	95.2	4340	99.2	4545	103.9	4705	107.5	4814	110.0	4885	111.7	4982	113.9	5066	115.8	5125	117.1	5234	119.6	5302	121.2
Southeastern																										
Hammond HS	1220	1220	1220	1220	1307	107.1	1338	109.7	1406	115.2	1480	121.3	1601	131.2	1693	138.8	1779	145.8	1878	153.9	1896	155.4	1969	161.4	2007	164.5
Western																										
Atholton HS	1360	1360	1360	1360	1467	107.9	1471	108.2	1550	114.0	1617	118.9	1628	119.7	1700	125.0	1734	127.5	1773	130.4	1824	134.1	1839	135.2	1868	137.4
Glenelg HS	1420	1420	1420	1420	1275	89.8	1239	87.3	1227	86.4	1290	90.8	1278	90.0	1274	89.7	1290	90.8	1290	90.8	1302	91.7	1320	93.0	1309	92.2
Reservoir HS	1551	1551	1551	1551	1547	99.7	1575	101.5	1635	105.4	1761	113.5	1824	117.6	1882	121.3	1944	125.3	2019	130.2	2066	133.2	2113	136.2	2137	137.8
River Hill HS	1488	1488	1488	1488	1286	86.4	1255	84.3	1281	86.1	1276	85.8	1250	84.0	1260	84.7	1249	83.9	1266	85.1	1285	86.4	1271	85.4	1272	85.5
Region HS Totals	5819	5819	5819	5819	5575	95.8	5540	95.2	5693	97.8	5944	102.1	5980	102.8	6116	105.1	6217	106.8	6348	109.1	6477	111.3	6543	112.4	6586	113.2
Countywide Totals		17146		17146		98.6	17406	101.5	18178	106.0	18924	110.4	19490	113.7	20082	117.1	20498	119.5	21123		21472		21740		22104	128.9
Countywide rotals	17 140	1/140	17 140	17 140	10904	90.0	17400	0.101	10170	100.0	10924	110.4	19490	113.7	20002	117.1	20490	119.5	21123	123.2	21412	120.2	21/40	120.0	ZZ 1U4	120.9

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Post-Measures

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Proposed FY 2016 Capital Budget Projects - Not Test for APFO Aggregate Plan

Chart reflects May 2014 F	Projection	-		ducatio										·			-									
		Capa				15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23)23-24		24-25		25-26
Columbia - East	2015	2016	2017	2018	-	% Util.	-	% Util.	•	% Util.	-	% Util.	-	% Util.	-	% Util.	-	% Util.	Proj	% Util.	-	% Util.	•	% Util.	•	% Util.
Cradlerock ES	398	398	398	398	465	116.8 C	460	115.6 C	455	114.3	463	116.3 C	450	113.1	446	112.1	446	112.1	443	111.3	462	116.1 C	479	120.4 C	497	124.9 C
Jeffers Hill ES	421	421	421	421	424	100.7	417	99.0	393	93.3	384	91.2	387	91.9	392	93.1	396	94.1	396	94.1	402	95.5	405	96.2	410	97.4
Phelps Luck ES	616	616	616	616	571	92.7	574	93.2	559	90.7	544	88.3	546	88.6	549	89.1	557	90.4	561	91.1	558	90.6	564	91.6	567	92.0
Stevens Forest ES	399	399	399	399	430	107.8	439	110.0	452	113.3	455	114.0	454	113.8	460	115.3 C	463	116.0 C	469	117.5 C		117.0 C	470	117.8 C		118.8 C
	377	377	377	377	405	107.4	395	104.8	384	101.9	381	101.1	386	102.4	382	101.3	381	101.1	384	101.9	391	103.7	395	104.8	399	105.8
Talbott Springs ES																										
Thunder Hill ES	509	509	509	509	530	104.1	529	103.9	525	103.1	523	102.8	518	101.8	522	102.6	520	102.2	527	103.5	536	105.3	542	106.5	545	107.1
Region Totals	2720	2720	2720	2720	2825	103.9	2814	103.5	2768	101.8	2750	101.1	2741	100.8	2751	101.1	2763	101.6	2780	102.2	2816	103.5	2855	105.0	2892	106.3
Columbia - West																										
Bryant Woods ES	361	361	361	361	343	95.0	351	97.2	358	99.2	371	102.8	379	105.0	381	105.5	384	106.4	389	107.8	390	108.0	392	108.6	397	110.0
Clemens Crossing ES	521	521	521	521	518	99.4	525	100.8	524	100.6	524	100.6	520	99.8	530	101.7	524	100.4	521	100.0	505	96.9	497	95.4	493	94.6
Longfellow ES	512	512	512	512	437	85.4	438	85.5	426	83.2	442	86.3	435	85.0	432	84.4	432	84.4	429	83.8	434	84.8	439	85.7	444	86.7
New ES #44 NS	0	0	0	0																						
Running Brook ES	515	515	515	515	551	107.0	609	118.3 C	664	128.9 C	727	141.2 C	779	151.3 C	837	162.5 C	894	173.6 C	950	184.5 C	995	193.2 C	1023	198.6 C	1047	203.3 C
Swansfield ES A	521	521	621	621	576	110.6	573	110.0	564	90.8	566	91.1	557	89.7	557	89.7	554	89.2	562	90.5	565	91.0	571	91.9	576	92.8
Region Totals	2430	2430	2530	2530	2425	99.8	2496	102.7	2536	100.2	2630	104.0	2670	105.5	2737	108.2	2788	110.2	2851	112.7	2889		2922			92.4
Northeastern	7	75:	·	75.	000	00.0	70 :	07.7	700	4046	644	140.0	000	440.0.0	6.4=	400.4.5	000	1016	000	4046	000	400.5		400 : 0	000	100.0
Bellows Spring ES	751	751	751	751	683	90.9	734	97.7	788	104.9	841	112.0	886	118.0 C		122.1 C	936	124.6 C	938	124.9 C		122.9 C		123.4 C		122.8 C
Deep Run ES	672	772	772	772	688	102.4	736	95.3	769	99.6	817	105.8	818	106.0	845	109.5	867	112.3	867	112.3	870	112.7	868	112.4	862	111.7
Ducketts Lane ES	669	669	669	669	774	115.7 C	859	128.4 C	970	145.0 C	1091	163.1 C	698	104.3	776	116.0 C	828	123.8 C	856	128.0 C	834	124.7 C	802	119.9 C	771	115.2 C
Elkridge ES	760	760	760	760	826	108.7	851	112.0	862	113.4	886	116.6 C	894	117.6 C		117.9 C		118.2 C	909	119.6 C		121.6 C		124.5 C		127.5 C
Ilchester ES	653	653	653	653	694	106.3	671	102.8	640	98.0	601	92.0	579	88.7	584	89.4	601	92.0	639	97.9	671	102.8	691	105.8	726	111.2
					034	100.5	071	102.0	040	30.0	001	32.0														
New ES #42 NS	0	0	0	788	0.40								600	76.1	600	76.1	600	76.1	600	76.1	600	76.1	600	76.1	600	76.1
Rockburn ES	672	672	672	672	619	92.1	604	89.9	599	89.1	610	90.8	597	88.8	614	91.4	651	96.9	687	102.2	712	106.0	733	109.1	756	112.5
Veterans ES	788	788	788	788	858	108.9	885	112.3	913	115.9 C	926	117.5 C	923	117.1 C	911	115.6 C	882	111.9	870	110.4	880	111.7	884	112.2	894	113.5
Waterloo ES	663	663	663	663	587	88.5	622	93.8	643	97.0	670	101.1	674	101.7	685	103.3	700	105.6	701	105.7	703	106.0	712	107.4	721	108.7
Worthington ES	590	590	590	590	551	93.4	542	91.9	540	91.5	527	89.3	523	88.6	508	86.1	489	82.9	502	85.1	512	86.8	534	90.5	554	93.9
Region Totals	6218	6318	6318	7106	6280	101.0	6504	102.9		106.4	6969	98.1	7192		7336	103.2	7452	104.9		106.5	7629		7697			109.4
region rotals	0210	0010	0010	7 100	0200	101.0	0004	102.3	0724	100.4	0303	30.1	7102	101.2	7000	100.2	7402	104.5	7000	100.0	7023	107.4	7007	100.0	1110	100.4
Northern																										
Centennial Lane ES	647	647	647	647	693	107.1	720	111.3	736	113.8	756	116.8 C	790	122.1 C	810	125.2 C	814	125.8 C	818	126.4 C	822	127.0 C	826	127.7 C	831	128.4 C
Hollifield Station ES	694	694	694	694	685	98.7	693	99.9	710	102.3	730	105.2	748	107.8	792	114.1	823	118.6 C	845	121.8 C	851	122.6 C	860	123.9 C	852	122.8 C
Manor Woods ES	681	681	681	681	738	108.4	811	119.1 C		101.2	800	117.5 C	901	132.3 C		147.6 C								165.8 C		159.8 C
				001	, 00	100.4	011	110.1	000	101.2	000	117.0	001	102.0	1000	147.0	1002	100.0	1101	100.1		16//	. 11/9		1000	100.0
Now ES #45			00.																		1142	167.7 C	1129	100.0		
New ES #45 NS	0	0	0	0	706	100.0	702	100.4	700	101 2	71.1	102.0	701	102.0	707	102.0	720	105.4	740	106.0					020	1102 C
Northfield ES	0 700	0 700	0 700	0 700	706	100.9	703	100.4	709	101.3	714	102.0	721	103.0	727	103.9	738	105.4	742	106.0	764	109.1	783	111.9	828	118.3 C
Northfield ES St Johns Lane ES	0 700 612	0 700 612	0 700 612	0 700 612	731	119.4 C	726	118.6 C	750	122.5 C	762	124.5 C	751	122.7 C	773	126.3 C	774	126.5 C	784	128.1 C	764 780	109.1 127.5 C	783 787	111.9 128.6 C	809	132.2 C
Northfield ES	0 700	0 700	0 700	0 700							762										764	109.1	783	111.9		
Northfield ES St Johns Lane ES	0 700 612	0 700 612	0 700 612	0 700 612 738	731	119.4 C 113.5	726	118.6 C	750 798	122.5 C	762 770	124.5 C	751	122.7 C 103.0	773	126.3 C	774 734	126.5 C	784 738	128.1 C 100.0	764 780 746	109.1 127.5 101.1	783 787 759	111.9 128.6 C	809 786	132.2 C 106.5
Northfield ES St Johns Lane ES Waverly ES A Region Totals	0 700 612 638	0 700 612 638	0 700 612 638	0 700 612 738	731 724	119.4 C 113.5	726 714	118.6 C 111.9	750 798	122.5 C 125.1 C	762 770	124.5 C 104.3	751 760	122.7 C 103.0	773 739	126.3 C 100.1	774 734	126.5 C 99.5	784 738	128.1 C 100.0	764 780 746	109.1 127.5 101.1	783 787 759	111.9 128.6 C 102.8	809 786	132.2 C 106.5
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern	0 700 612 638 3972	0 700 612 638 3972	0 700 612 638 3972	0 700 612 738 4072	731 724 4277	119.4 C 113.5 107.7	726 714 4367	118.6 C 111.9 109.9	750 798 4392	122.5 C 125.1 C 110.6	762 770 4532	124.5 C 104.3 111.3	751 760 4671	122.7 C 103.0 114.7	773 739 4846	126.3 C 100.1 119.0 C	774 734 4965	126.5 C 99.5 121.9 C	784 738 5058	128.1 C 100.0 124.2 C	764 780 746 5 5105	109.1 127.5 101.1 125.4	783 787 759 5144	111.9 128.6 C 102.8 126.3 C	809 786 5194	132.2 C 106.5 127.6 C
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES	0 700 612 638 3972	0 700 612 638 3972	0 700 612 638 3972	0 700 612 738 4072	731 724 4277 392	119.4 C 113.5 107.7	726 714 4367 403	118.6 C 111.9 109.9	750 798 4392 412	122.5 C 125.1 C 110.6	762 770 4532 403	124.5 C 104.3 111.3	751 760 4671 416	122.7 C 103.0 114.7 98.1	773 739 4846 416	126.3 C 100.1 119.0 C	774 734 4965 419	126.5 C 99.5 121.9 C	784 738 5058 422	128.1 C 100.0 124.2 C	764 780 746 5 5105	109.1 127.5 101.1 125.4 100.2	783 787 759 5144 428	111.9 128.6 C 102.8 126.3 C	809 786 5194 434	132.2 C 106.5 127.6 C
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES	0 700 612 638 3972 424 666	0 700 612 638 3972 424 666	0 700 612 638 3972 424 666	0 700 612 738 4072 424 666	731 724 4277 392 710	119.4 C 113.5 107.7	726 714 4367 403 722	118.6 C 111.9 109.9	750 798 4392 412 763	122.5 C 125.1 C 110.6	762 770 4532 403 794	95.0 119.2 C	751 760 4671 416 781	122.7 C 103.0 114.7	773 739 4846 416 810	126.3 C 100.1 119.0 C	774 734 4965 419 833	126.5 C 99.5 C 121.9 C	784 738 5058 422 843	128.1 C 100.0 124.2 C	764 780 746 5 5105 425 859	109.1 127.5 101.1 125.4 0	783 787 759 5144 428 874	111.9 128.6 C 102.8 126.3 C	809 786 5194 434 878	132.2 C 106.5 127.6 C
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES	0 700 612 638 3972	0 700 612 638 3972	0 700 612 638 3972	0 700 612 738 4072	731 724 4277 392	119.4 C 113.5 107.7	726 714 4367 403	118.6 C 111.9 109.9	750 798 4392 412	122.5 C 125.1 C 110.6	762 770 4532 403 794	124.5 C 104.3 111.3	751 760 4671 416	122.7 C 103.0 114.7 98.1	773 739 4846 416 810	126.3 C 100.1 119.0 C	774 734 4965 419 833	126.5 C 99.5 121.9 C	784 738 5058 422	128.1 C 100.0 124.2 C	764 780 746 5 5105 425 859	109.1 127.5 101.1 125.4 0	783 787 759 5144 428 874	111.9 128.6 C 102.8 126.3 C	809 786 5194 434 878	132.2 C 106.5 127.6 C
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES	0 700 612 638 3972 424 666 669	0 700 612 638 3972 424 666 669	0 700 612 638 3972 424 666 669	0 700 612 738 4072 424 666	731 724 4277 392 710 815	119.4 C 113.5 107.7 92.5 106.6 121.8 C	726 714 4367 403 722 850	95.0 108.4 127.1 C	750 798 4392 412 763 901	97.2 114.6 134.7 C	762 770 4532 403 794 935	95.0 119.2 C 139.8 C	751 760 4671 416 781 919	98.1 117.3 C 137.4 C	773 739 4846 416 810	98.1 121.6 C 143.0 C	774 734 4965 419 833	98.8 125.1 C 144.1 C	784 738 5058 422 843 988	128.1 C 100.0 124.2 C	764 780 746 5105 425 859 1018	109.1 127.5 101.1 125.4 100.2 129.0 152.2	783 787 759 5144 428 874 1025	111.9 128.6 C 102.8 126.3 C	809 786 5194 434 878 1015	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES	0 700 612 638 3972 424 666 669 700	0 700 612 638 3972 424 666 669 700	0 700 612 638 3972 424 666 669 700	0 700 612 738 4072 424 666 669 700	731 724 4277 392 710 815 690	92.5 106.6 121.8 C 98.6	726 714 4367 403 722 850 725	95.0 108.4 127.1 C	750 798 4392 412 763 901 726	97.2 114.6 134.7 103.7	762 770 4532 403 794 935 739	95.0 119.2 C 139.8 C	751 760 4671 416 781 919 736	98.1 117.3 C 137.4 C	773 739 4846 416 810 957 745	98.1 121.6 C 143.0 C	774 734 4965 419 833 964 744	98.8 125.1 C 144.1 C	784 738 5058 422 843 988 751	99.5 126.6 147.7 107.3	764 780 746 5105 425 859 1018 741	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9	783 787 759 5144 428 874 1025 731	111.9 128.6 C 102.8 126.3 C	809 786 5194 434 878 1015 724	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES	0 700 612 638 3972 424 666 669 700 465	0 700 612 638 3972 424 666 669 700 465	0 700 612 638 3972 424 666 669 700 465	0 700 612 738 4072 424 666 669 700 465	731 724 4277 392 710 815 690 494	119.4 C 113.5 107.7 92.5 106.6 121.8 C 98.6 106.2	726 714 4367 403 722 850 725 512	95.0 108.4 127.1 C 103.6 110.1	750 798 4392 412 763 901 726 503	97.2 114.6 134.7 C 103.7 108.2	762 770 4532 403 794 935 739 498	95.0 119.2 C 139.8 C 105.6 107.1	751 760 4671 416 781 919 736 507	98.1 117.3 C 137.4 C 105.1 109.0	773 739 4846 416 810 957 745 514	98.1 121.6 C 143.0 C	774 734 4965 419 833 964 744 505	98.8 125.1 C 144.1 C 106.3 108.6	784 738 5058 422 843 988 751 511	128.1 C 100.0 124.2 C 99.5 126.6 C 147.7 C 107.3 109.9	764 780 746 5105 425 859 1018 741 511	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9	783 787 759 5144 428 874 1025 731 518	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4	809 786 5194 434 878 1015 724 530	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES	0 700 612 638 3972 424 666 669 700 465 653	0 700 612 638 3972 424 666 669 700 465 653	0 700 612 638 3972 424 666 669 700 465 653	0 700 612 738 4072 424 666 669 700 465 653	731 724 4277 392 710 815 690 494 612	119.4 C 113.5 107.7 92.5 106.6 121.8 C 98.6 106.2 93.7	726 714 4367 403 722 850 725 512 612	95.0 108.4 127.1 C 103.6 110.1 93.7	750 798 4392 412 763 901 726 503 614	97.2 114.6 134.7 C 103.7 108.2 94.0	762 770 4532 403 794 935 739 498 622	95.0 119.2 C 139.8 C 105.6 107.1 95.3	751 760 4671 416 781 919 736 507 645	98.1 117.3 C 137.4 C 105.1 109.0 98.8	773 739 4846 416 810 957 745 514 689	98.1 121.6 C 143.0 C 106.4 110.5 105.5	774 734 4965 419 833 964 744 505 705	98.8 125.1 C 144.1 C 106.3 108.6 108.0	784 738 5058 422 843 988 751 511 713	128.1 C 100.0 124.2 C 99.5 126.6 C 147.7 C 107.3 109.9 109.2	764 780 746 5105 425 859 1018 741 511 732	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1	783 787 759 5144 428 874 1025 731 518 755	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C	809 786 5194 434 878 1015 724 530 780	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES	0 700 612 638 3972 424 666 669 700 465 653 640	0 700 612 638 3972 424 666 669 700 465 653 640	0 700 612 638 3972 424 666 669 700 465	0 700 612 738 4072 424 666 669 700 465 653 640	731 724 4277 392 710 815 690 494	119.4 C 113.5 107.7 92.5 106.6 121.8 C 98.6 106.2	726 714 4367 403 722 850 725 512	95.0 108.4 127.1 C 103.6 110.1	750 798 4392 412 763 901 726 503	97.2 114.6 134.7 C 103.7 108.2	762 770 4532 403 794 935 739 498	95.0 119.2 C 139.8 C 105.6 107.1	751 760 4671 416 781 919 736 507	98.1 117.3 C 137.4 C 105.1 109.0	773 739 4846 416 810 957 745 514	98.1 121.6 C 143.0 C	774 734 4965 419 833 964 744 505	98.8 125.1 C 144.1 C 106.3 108.6	784 738 5058 422 843 988 751 511	128.1 C 100.0 124.2 C 99.5 126.6 C 147.7 C 107.3 109.9	764 780 746 5105 425 859 1018 741 511	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9	783 787 759 5144 428 874 1025 731 518	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4	809 786 5194 434 878 1015 724 530	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS	0 700 612 638 3972 424 666 669 700 465 653 640 0	0 700 612 638 3972 424 666 669 700 465 653 640 0	0 700 612 638 3972 424 666 669 700 465 653 640 0	0 700 612 738 4072 424 666 669 700 465 653 640 0	731 724 4277 392 710 815 690 494 612 544	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	726 714 4367 403 722 850 725 512 612 541	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5	750 798 4392 412 763 901 726 503 614 558	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2	762 770 4532 403 794 935 739 498 622 573	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5	751 760 4671 416 781 919 736 507 645 559	98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3	773 739 4846 416 810 957 745 514 689 547	98.1 121.6 C 143.0 C 105.5 85.5	774 734 4965 419 833 964 744 505 705 558	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2	784 738 5058 422 843 988 751 511 713 552	99.5 126.6 107.3 109.9 109.2 86.3	764 780 746 5105 425 859 1018 741 511 732 554	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6	783 787 759 5144 428 874 1025 731 518 755 555	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7	809 786 5194 434 878 1015 724 530 780 558	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES	0 700 612 638 3972 424 666 669 700 465 653 640	0 700 612 638 3972 424 666 669 700 465 653 640	0 700 612 638 3972 424 666 669 700 465 653	0 700 612 738 4072 424 666 669 700 465 653 640	731 724 4277 392 710 815 690 494 612 544	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	726 714 4367 403 722 850 725 512 612 541	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5	750 798 4392 412 763 901 726 503 614 558	97.2 114.6 134.7 C 103.7 108.2 94.0	762 770 4532 403 794 935 739 498 622 573	95.0 119.2 C 139.8 C 105.6 107.1 95.3	751 760 4671 416 781 919 736 507 645	98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3	773 739 4846 416 810 957 745 514 689 547	98.1 121.6 C 143.0 C 106.4 110.5 105.5	774 734 4965 419 833 964 744 505 705	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2	784 738 5058 422 843 988 751 511 713 552	128.1 C 100.0 124.2 C 99.5 126.6 C 147.7 C 107.3 109.9 109.2	764 780 746 5105 425 859 1018 741 511 732	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6	783 787 759 5144 428 874 1025 731 518 755 555	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C	809 786 5194 434 878 1015 724 530 780 558	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals	0 700 612 638 3972 424 666 669 700 465 653 640 0	0 700 612 638 3972 424 666 669 700 465 653 640 0	0 700 612 638 3972 424 666 669 700 465 653 640 0	0 700 612 738 4072 424 666 669 700 465 653 640 0	731 724 4277 392 710 815 690 494 612 544	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	726 714 4367 403 722 850 725 512 612 541	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5	750 798 4392 412 763 901 726 503 614 558	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2	762 770 4532 403 794 935 739 498 622 573	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5	751 760 4671 416 781 919 736 507 645 559	98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3	773 739 4846 416 810 957 745 514 689 547	98.1 121.6 C 143.0 C 105.5 85.5	774 734 4965 419 833 964 744 505 705 558	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2	784 738 5058 422 843 988 751 511 713 552	99.5 126.6 107.3 109.9 109.2 86.3	764 780 746 5105 425 859 1018 741 511 732 554	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6	783 787 759 5144 428 874 1025 731 518 755 555	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7	809 786 5194 434 878 1015 724 530 780 558	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217	731 724 4277 392 710 815 690 494 612 544 4257	92.5 106.6 121.8 93.7 85.0	726 714 4367 403 722 850 725 512 612 541 4365	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5	750 798 4392 412 763 901 726 503 614 558	97.2 114.6 134.7 108.2 94.0 87.2	762 770 4532 403 794 935 739 498 622 573	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5	751 760 4671 416 781 919 736 507 645 559 4563	98.1 117.3 105.1 109.0 98.8 87.3	773 739 4846 416 810 957 745 514 689 547	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5	774 734 4965 419 833 964 744 505 705 558	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2	784 738 5058 422 843 988 751 511 713 552 4780	99.5 126.6 147.7 109.9 109.2 86.3	764 780 746 5105 425 859 1018 741 511 732 554	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6	783 787 759 5144 428 874 1025 731 518 755 555	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7	809 786 5194 434 878 1015 724 530 780 558	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217	731 724 4277 392 710 815 690 494 612 544 4257	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	726 714 4367 403 722 850 725 512 612 541 4365	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5	750 798 4392 412 763 901 726 503 614 558 4477	97.2 114.6 134.7 108.2 94.0 87.2	762 770 4532 403 794 935 739 498 622 573 4564	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5	751 760 4671 416 781 919 736 507 645 559 4563	98.1 117.3 105.1 109.0 98.8 87.3 108.2	773 739 4846 416 810 957 745 514 689 547 4678	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5	774 734 4965 419 833 964 744 505 705 558 4728	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2	784 738 5058 422 843 988 751 511 713 552 4780	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4	764 780 746 5105 425 859 1018 741 511 732 554 4840	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1	783 787 759 5144 428 874 1025 731 518 755 555 4886	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7	809 786 5194 434 878 1015 724 530 780 558 4919	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612	731 724 4277 392 710 815 690 494 612 544 4257 572 459	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	726 714 4367 403 722 850 725 512 612 541 4365	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5	750 798 4392 412 763 901 726 503 614 558 4477 637 417	97.2 114.6 134.7 108.2 94.0 87.2 106.2	762 770 4532 403 794 935 739 498 622 573 4564 644 394	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2	751 760 4671 416 781 919 736 507 645 559 4563	98.1 114.7 98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2	773 739 4846 416 810 957 745 514 689 547 4678	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5 110.9	774 734 4965 419 833 964 744 505 705 558 4728 648 377	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1	784 738 5058 422 843 988 751 511 713 552 4780 658 384	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4	764 780 746 5105 425 859 1018 741 511 732 554 4840	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1	783 787 759 5144 428 874 1025 731 518 755 555 4886	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7	809 786 5194 434 878 1015 724 530 780 558 4919 675 391	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217	731 724 4277 392 710 815 690 494 612 544 4257	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0	726 714 4367 403 722 850 725 512 612 541 4365	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5	750 798 4392 412 763 901 726 503 614 558 4477	97.2 114.6 134.7 108.2 94.0 87.2	762 770 4532 403 794 935 739 498 622 573 4564	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5	751 760 4671 416 781 919 736 507 645 559 4563	98.1 117.3 105.1 109.0 98.8 87.3 108.2	773 739 4846 416 810 957 745 514 689 547 4678	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5	774 734 4965 419 833 964 744 505 705 558 4728	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2	784 738 5058 422 843 988 751 511 713 552 4780	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4	764 780 746 5105 425 859 1018 741 511 732 554 4840	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1	783 787 759 5144 428 874 1025 731 518 755 555 4886	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7	809 786 5194 434 878 1015 724 530 780 558 4919	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612 788	731 724 4277 392 710 815 690 494 612 544 4257 572 459 594	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9	726 714 4367 403 722 850 725 512 612 541 4365 561 442 617	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5	750 798 4392 412 763 901 726 503 614 558 4477 637 417 601	97.2 114.6 134.7 108.2 94.0 87.2 106.2	762 770 4532 403 794 935 739 498 622 573 4564 644 394 576	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2	751 760 4671 416 781 919 736 507 645 559 4563	98.1 114.7 98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2	773 739 4846 416 810 957 745 514 689 547 4678 650 378 531	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5 110.9	774 734 4965 419 833 964 744 505 705 558 4728 648 377 540	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1	784 738 5058 422 843 988 751 511 713 552 4780 658 384 520	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4	764 780 746 5105 425 859 1018 741 511 732 554 4840	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1	783 787 759 5144 428 874 1025 731 518 755 555 4886	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7	809 786 5194 434 878 1015 724 530 780 558 4919 675 391 539	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612 788 788	731 724 4277 392 710 815 690 494 612 544 4257 572 459 594 770	92.5 106.6 121.8 98.6 106.2 93.7 85.0 100.9	726 714 4367 403 722 850 725 512 612 541 4365 561 442 617 838	95.0 108.4 127.1 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3	750 798 4392 412 763 901 726 503 614 558 4477 637 417 601 882	97.2 114.6 134.7 108.2 94.0 87.2 106.2 80.8 68.1 76.3 111.9	762 770 4532 403 794 935 739 498 622 573 4564 644 394 576 918	95.0 111.3 95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 81.7 64.4 73.1 116.5 C	751 760 4671 416 781 919 736 507 645 559 4563 640 382 545 929	98.1 114.7 98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2 81.2 62.4 69.2 117.9 C	773 739 4846 416 810 957 745 514 689 547 4678 650 378 531 929	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5 110.9	774 734 4965 419 833 964 744 505 705 558 4728 648 377 540 912	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1	784 738 5058 422 843 988 751 511 713 552 4780 658 384 520 896	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4	764 780 746 5105 425 859 1018 741 511 732 554 4840 648 384 531 853	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1 82.2 62.7 67.4 108.2	783 787 759 2 5144 428 874 1025 731 518 755 555 4886 656 387 535 838	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7 100.0	809 786 5194 434 878 1015 724 530 780 558 4919 675 391 539 823	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612 788 788 527	731 724 4277 392 710 815 690 494 612 544 4257 572 459 594 770 368	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9	726 714 4367 403 722 850 725 512 612 541 4365 561 442 617 838 357	95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7	750 798 4392 412 763 901 726 503 614 558 4477 637 417 601 882 362	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 80.8 68.1 76.3 111.9 68.7	762 770 4532 403 794 935 739 498 622 573 4564 644 394 576 918 357	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 81.7 64.4 73.1 116.5 C 67.7	751 760 4671 416 781 919 736 507 645 559 4563 640 382 545 929 346	98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2 81.2 62.4 69.2 117.9 C 65.7	773 739 4846 416 810 957 745 514 689 547 4678 650 378 531 929 344	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5 110.9 82.5 61.8 67.4 117.9 C 65.3	774 734 4965 419 833 964 744 505 705 558 4728 648 377 540 912 344	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1 82.2 61.6 68.5 115.7 C 65.3	784 738 5058 422 843 988 751 511 713 552 4780 658 384 520 896 355	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4 83.5 62.7 66.0 113.7 67.4	764 780 746 5105 425 859 1018 741 511 732 554 4840 648 384 531 853 363	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1 82.2 62.7 67.4 108.2 68.9	783 787 759 2 5144 428 874 1025 731 518 755 555 4886 656 387 535 838 369	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7 100.0	809 786 5194 434 878 1015 724 530 780 558 4919 675 391 539 823 371	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744	731 724 4277 392 710 815 690 494 612 544 4257 572 459 594 770 368 701	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9	726 714 4367 403 722 850 725 512 612 541 4365 561 442 617 838 357 723	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7 97.2	750 798 4392 412 763 901 726 503 614 558 4477 637 417 601 882 362 735	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 80.8 68.1 76.3 111.9 68.7 98.8	762 770 4532 403 794 935 739 498 622 573 4564 644 394 576 918 357 749	95.0 111.3 95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 81.7 64.4 73.1 116.5 C 67.7 100.7	751 760 4671 416 781 919 736 507 645 559 4563 640 382 545 929 346 729	98.1 114.7 98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2 81.2 62.4 69.2 117.9 C 65.7 98.0	773 739 4846 416 810 957 745 514 689 547 4678 650 378 531 929 344 734	98.1 121.6 C 143.0 C 143.0 C 106.4 110.5 105.5 85.5 110.9	774 734 4965 419 833 964 744 505 705 558 4728 648 377 540 912 344 747	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1 82.2 61.6 68.5 115.7 C 65.3 100.4	784 738 5058 422 843 988 751 511 713 552 4780 658 384 520 896 355 742	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4 83.5 62.7 66.0 113.7 67.4 99.7	764 780 746 5105 425 859 1018 741 511 732 554 4840 648 384 531 853 363 744	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1 82.2 62.7 67.4 108.2 68.9 100.0	783 787 759 5144 428 874 1025 731 518 755 555 4886 656 387 535 838 369 748	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7 100.0	809 786 5194 434 878 1015 724 530 780 558 4919 675 391 539 823 371 758	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581	731 724 4277 392 710 815 690 494 612 544 4257 572 459 594 770 368 701 534	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9 72.6 75.0 75.4 97.7 69.8 94.2 91.9	726 714 4367 403 722 850 725 512 612 541 4365 561 442 617 838 357 723 582	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7 97.2 100.2	750 798 4392 412 763 901 726 503 614 558 4477 637 417 601 882 362 735 694	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 80.8 68.1 76.3 111.9 68.7 98.8 119.4 C	762 770 4532 403 794 935 739 498 622 573 4564 644 394 576 918 357 749 716	95.0 111.3 95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 81.7 64.4 73.1 116.5 C 67.7 100.7 123.2 C	751 760 4671 416 781 919 736 507 645 559 4563 640 382 545 929 346 729 713	98.1 114.7 98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2 81.2 62.4 69.2 117.9 C 65.7 98.0 122.7 C	773 739 4846 416 810 957 745 514 689 547 4678 650 378 531 929 344 734 726	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5 110.9 82.5 61.8 67.4 117.9 C 65.3 98.7 125.0 C	774 734 4965 419 833 964 744 505 705 558 4728 648 377 540 912 344 747 725	98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1 82.2 61.6 68.5 115.7 C 65.3 100.4 124.8 C	784 738 5058 422 843 988 751 511 713 552 4780 658 384 520 896 355 742 741	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4 83.5 62.7 66.0 113.7 67.4 99.7 127.5	764 780 746 5105 425 859 1018 741 511 732 554 4840 648 384 531 853 363 744 736	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1 82.2 62.7 67.4 108.2 68.9 100.0 126.7	783 787 759 5144 428 874 1025 731 518 755 555 4886 656 387 535 838 369 748 732	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7 100.0	809 786 5194 434 878 1015 724 530 780 558 4919 675 391 539 823 371 758 730	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES West Friendship ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581 414	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581 414	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581 414	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581 414	731 724 4277 392 710 815 690 494 612 544 4257 572 459 594 770 368 701 534 281	92.5 106.6 121.8 98.6 106.2 93.7 85.0 100.9 72.6 75.4 97.7 69.8 94.2 91.9 67.9	726 714 4367 403 722 850 725 512 612 541 4365 561 442 617 838 357 723 582 279	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7 97.2 100.2 67.4	750 798 4392 412 763 901 726 503 614 558 4477 637 417 601 882 362 735 694 226	97.2 114.6 134.7 108.2 94.0 87.2 106.2 80.8 68.1 76.3 111.9 68.7 98.8 119.4 54.6	762 770 4532 403 794 935 739 498 622 573 4564 644 394 576 918 357 749 716 211	95.0 119.2 139.8 105.6 107.1 95.3 89.5 108.2 81.7 64.4 73.1 116.5 67.7 100.7 123.2 51.0	751 760 4671 416 781 919 736 507 645 559 4563 640 382 545 929 346 729 713 202	98.1 114.7 98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2 81.2 62.4 69.2 117.9 C 65.7 98.0 122.7 C 48.8	773 739 4846 416 810 957 745 514 689 547 4678 650 378 531 929 344 734 726 194	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5 110.9 82.5 61.8 67.4 117.9 C 65.3 98.7 125.0 C 46.9	774 734 4965 419 833 964 744 505 705 558 4728 648 377 540 912 344 747 725 199	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1 82.2 61.6 68.5 115.7 C 65.3 100.4 124.8 C 48.1	784 738 5058 422 843 988 751 511 713 552 4780 658 384 520 896 355 742 741 195	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4 83.5 62.7 66.0 113.7 67.4 99.7 127.5 47.1	764 780 746 5105 425 859 1018 741 511 732 554 4840 648 384 531 853 363 744 736 202	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1 82.2 62.7 67.4 108.2 68.9 100.0 126.7 48.8	783 787 759 5144 428 874 1025 731 518 755 555 4886 656 387 535 838 369 748 732 207	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7 100.0	809 786 5194 434 878 1015 724 530 780 558 4919 675 391 539 823 371 758 730 212	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7 85.7 63.9 68.4 104.4 70.4 101.9 125.6 C 51.2
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581	731 724 4277 392 710 815 690 494 612 544 4257 572 459 594 770 368 701 534	92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9 72.6 75.0 75.4 97.7 69.8 94.2 91.9	726 714 4367 403 722 850 725 512 612 541 4365 561 442 617 838 357 723 582	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7 97.2 100.2	750 798 4392 412 763 901 726 503 614 558 4477 637 417 601 882 362 735 694	97.2 114.6 134.7 C 103.7 108.2 94.0 87.2 106.2 80.8 68.1 76.3 111.9 68.7 98.8 119.4 C	762 770 4532 403 794 935 739 498 622 573 4564 644 394 576 918 357 749 716	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 81.7 64.4 73.1 116.5 C 67.7 100.7 123.2 C 51.0	751 760 4671 416 781 919 736 507 645 559 4563 640 382 545 929 346 729 713	98.1 114.7 98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2 81.2 62.4 69.2 117.9 C 65.7 98.0 122.7 C	773 739 4846 416 810 957 745 514 689 547 4678 650 378 531 929 344 734 726	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5 110.9 82.5 61.8 67.4 117.9 C 65.3 98.7 125.0 C	774 734 4965 419 833 964 744 505 705 558 4728 648 377 540 912 344 747 725	98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1 82.2 61.6 68.5 115.7 C 65.3 100.4 124.8 C	784 738 5058 422 843 988 751 511 713 552 4780 658 384 520 896 355 742 741	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4 83.5 62.7 66.0 113.7 67.4 99.7 127.5	764 780 746 5105 425 859 1018 741 511 732 554 4840 648 384 531 853 363 744 736	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1 82.2 62.7 67.4 108.2 68.9 100.0 126.7	783 787 759 5144 428 874 1025 731 518 755 555 4886 656 387 535 838 369 748 732 207	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7 100.0	809 786 5194 434 878 1015 724 530 780 558 4919 675 391 539 823 371 758 730	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7
Northfield ES St Johns Lane ES Waverly ES A Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES West Friendship ES	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581 414 5242	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581 414	0 700 612 638 3972 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581 414	0 700 612 738 4072 424 666 669 700 465 653 640 0 4217 788 612 788 788 527 744 581 414 5242	731 724 4277 392 710 815 690 494 612 544 4257 572 459 594 770 368 701 534 281 4279	119.4 C 113.5 107.7 92.5 106.6 121.8 C 98.6 106.2 93.7 85.0 100.9 72.6 75.4 97.7 69.8 94.2 91.9 67.9 81.6	726 714 4367 403 722 850 725 512 612 541 4365 561 442 617 838 357 723 582 279	95.0 109.9 95.0 108.4 127.1 C 103.6 110.1 93.7 84.5 103.5 71.2 72.2 78.3 106.3 67.7 97.2 100.2 67.4 83.9	750 798 4392 412 763 901 726 503 614 558 4477 637 417 601 882 362 735 694 226	97.2 114.6 134.7 108.2 94.0 87.2 106.2 80.8 68.1 76.3 111.9 68.7 98.8 119.4 54.6 86.9	762 770 4532 403 794 935 739 498 622 573 4564 644 394 576 918 357 749 716 211 4565	95.0 119.2 C 139.8 C 105.6 107.1 95.3 89.5 108.2 81.7 64.4 73.1 116.5 C 67.7 100.7 123.2 C 51.0	751 760 4671 416 781 919 736 507 645 559 4563 640 382 545 929 346 729 713 202	98.1 114.7 98.1 117.3 C 137.4 C 105.1 109.0 98.8 87.3 108.2 81.2 62.4 69.2 117.9 C 65.7 98.0 122.7 C 48.8 85.6	773 739 4846 416 810 957 745 514 689 547 4678 650 378 531 929 344 734 726 194	98.1 121.6 C 143.0 C 106.4 110.5 105.5 85.5 110.9 82.5 61.8 67.4 117.9 C 65.3 98.7 125.0 C 46.9 85.6	774 734 4965 419 833 964 744 505 705 558 4728 648 377 540 912 344 747 725 199	98.8 121.9 C 98.8 125.1 C 144.1 C 106.3 108.6 108.0 87.2 112.1 82.2 61.6 68.5 115.7 C 65.3 100.4 124.8 C 48.1 85.7	784 738 5058 422 843 988 751 511 713 552 4780 658 384 520 896 355 742 741 195 4491	99.5 126.6 147.7 107.3 109.9 109.2 86.3 113.4 83.5 62.7 66.0 113.7 67.4 99.7 127.5 47.1	764 780 746 5105 425 859 1018 741 511 732 554 4840 648 384 531 853 363 744 736 202 4461	109.1 127.5 101.1 125.4 100.2 129.0 152.2 105.9 109.9 112.1 86.6 99.1 82.2 62.7 67.4 108.2 68.9 100.0 126.7 48.8	783 787 759 5144 428 874 1025 731 518 755 555 4886 656 387 535 838 369 748 732 207 4472	111.9 128.6 C 102.8 126.3 C 100.9 131.2 C 153.2 C 104.4 111.4 115.6 C 86.7 100.0	809 786 5194 434 878 1015 724 530 780 558 4919 675 391 539 823 371 758 730 212	132.2 C 106.5 127.6 C 102.4 131.8 C 151.7 C 103.4 114.0 119.4 C 87.2 100.7 85.7 63.9 68.4 104.4 70.4 101.9 125.6 C 51.2

^{&#}x27;A' includes additions as reflected in FY 2016 CIP for grades K-5 'NS' New School proposed in FY 2016 Capital Budget

Post-Measures

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2016 Capital Budget Projects - Not Test for APFO Aggregate Plan

13191 100.8

Aggregate Plan								Capacity	Utiliza	tion Kat	es with	Propose	ed F Y	2016 Ca	pitai B	udget Pro	jects ·	- Not res	t for A	PFO						
Chart reflects May 201	4 Projection	s <u>, Boar</u>	d <u>of Edu</u>	cation's	FY 20	16 Reques	st <u>ed capa</u>	acities and	e <u>stimat</u>	ed redistri	cting.															
		Сар	acity		20)15-16	20	16-17	20	17-18	20	18-19	20	19-20	20	20-21	20	21-22	20	22-23	20	23-24	20	24-25	20	25-26
Columbia - East	2015	2016	2017	2018	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Lake Elkhorn MS	643	643	643	643	554	86.2	563	87.6	604	93.9	622	96.7	626	97.4	620	96.4	625	97.2	624	97.0	611	95.0	611	95.0	610	94.9
Oakland Mills MS	506	506	506	506	486	96.0	484	95.7	486	96.0	512	101.2	518	102.4	519	102.6	516	102.0	513	101.4	520	102.8	521	103.0	528	104.3
Region MS Totals	1149	1149	1149	1149	1040	90.5	1047	91.1	1090	94.9	1134	98.7	1144	99.6	1139	99.1	1141	99.3	1137	99.0	1131	98.4	1132	98.5	1138	99.0
Columbia - West																										
Harpers Choice MS	506	506	506	506	559	110.5	574	113.4	598	118.2 C	592	117.0 C	612	120.9 C	591	116.8 C	616	121.7 C	596	117.8 C		116.6 C	584	115.4 C	587	116.0 C
Wilde Lake MS	R 467	467	760	760	573	122.7 C	599	128.3 C	670	88.2	693	91.2	741	97.5	740	97.4	768	101.1	787	103.6	834	109.7	875	115.1 C	922	121.3 C
Region MS Totals	973	973	1266	1266	1132	116.3 C	1173	120.6 C	1268	100.2	1285	101.5	1353	106.9	1331	105.1	1384	109.3	1383	109.2	1424	112.5	1459	115.2 C	1509	119.2 C
Northeastern																										
Bonnie Branch MS	662	662	662	662	641	96.8	655	98.9	693	104.7	735	111.0	749	113.1	699	105.6	667	100.8	649	98.0	657	99.2	650	98.2	657	99.2
Elkridge Landing MS	779	779	779	779	752	96.5	741	95.1	763	97.9	734	94.2	742	95.3	747	95.9	782	100.4	798	102.4	816	104.7	838	107.6	845	108.5
Ellicott Mills MS	A 662	662	662	662	791	119.5 C		121.1 C		126.9 C		128.7 C		107.9	909	111.1	937	114.5	929	113.6	931	113.8	917	112.1	926	113.2
Mayfield Woods MS	798	798	798	798	666	83.5	698	87.5	757	94.9	780	97.7	851	106.6	863	108.1	901	112.9	916	114.8	964	120.8 C	1007	126.2 C	1021	127.9 C
New MS #21	NS 0	0	0	0																						
Thomas Viaduct MS	701	701	701	701	574	81.9	629	89.7	700	99.9	733	104.6	803	114.6	833	118.8 C		127.1 C		128.2 C						155.9 C
Region MS Totals	3602	3602	3602	3602	3424	95.1	3525	97.9	3753	104.2	3834	106.4	4028	107.2	4051	107.8	4178	111.2	4191	111.5	4334	115.3 C	4438	118.1 C	4542	120.9 C
Northern																										
Burleigh Manor MS	779	779	779	779	774	99.4	784	100.6	769	98.7	767	98.5	782	100.4	808	103.7	839	107.7	892	114.5	938	120.4 C	976	125.3 C		128.2 C
Dunloggin MS	A 565	565	565	565	628	111.2	668	118.2 C		119.3 C		119.3 C		102.4	689	104.1	712	107.6	716	108.2	722	109.1	720	108.8	721	108.9
Patapsco MS	643	643	643	643	697	108.4	703	109.3	731	113.7	752	117.0 C		119.4 C		118.5 C		120.2 C		117.1 C		122.2 C			812	126.3 C
Region MS Totals	1987	1987	1987	1987	2099	105.6	2155	108.5	2174	109.4	2193	110.4	2228	106.9	2259	108.4	2324	111.5	2361	113.3	2446	117.4 C	2485	119.2 C	2532	121.5 C
Southeastern	004	004	004	004	500	00.7	500	00.7	000	00.7	000	4044	054	400.0	000	440.0	005	440.4	700	447.4.0	700	400.0.0	750	405.5.0	774	407.0.0
Hammond MS	604	604	604	604	560	92.7	596	98.7	602	99.7	629	104.1	654	108.3	682	112.9	685	113.4	709	117.4 C		122.2 C	758	125.5 C		127.6 C
Murray Hill MS	662	662	662	662	644	97.3	689	104.1	727	109.8	746	112.7	810	122.4 C		127.3 C		126.7 C		120.8 C		119.6 C		121.5 C		121.5 C
Patuxent Valley MS Region MS Totals	760 2026	760 2026	760 2026	760 2026	685 1889	90.1	766 2051	100.8	758 2087	99.7 103.0	844 2219	111.1 109.5	838 2302	110.3 113.6	873 2398	114.9 118.4 C	878	115.5 C 118.6 C	_	119.9 C 119.4 C		124.7 C 122.3 C		128.4 C 125.3 C		
Region wis Totals	2020	2020	2020	2020	1009	93.2	2001	101.2	2007	103.0	2219	109.5	2302	113.0	2390	110.4 C	2402	110.0 C	2420	119.4 C	2470	122.3 6	2556	120.5 C	2093	120.0 C
Western																										
Clarksville MS	643	643	643	643	602	93.6	579	90.0	543	84.4	521	81.0	537	83.5	514	79.9	490	76.2	470	73.1	476	74.0	482	75.0	479	74.5
Folly Quarter MS	662	662	662	662	606	91.5	610	92.1	632	95.5	649	98.0	706	106.6	710	107.3	704	106.3	700	105.7	723	109.2	732	110.6	719	108.6
Glenwood MS	545	545	545	545	565	103.7	544	99.8	533	97.8	497	91.2	521	95.6	515	94.5	523	96.0	485	89.0	493	90.5	487	89.4	512	93.9
Lime Kiln MS	701	701	701	701	720	103.7	728	103.9	722	103.0	724	103.3	774	110.4	779	111.1	786	112.1	788	112.4	804	114.7	811	115.7 C		113.7
Mount View MS	798	798	798	798	762	95.5	728 779	97.6	796	99.7	832	103.3	848	106.3	867	108.6	855	107.1	875	109.6	882	114.7	922	115.7 C		113.7 117.5 C
Region MS Totals	3349		3349	3349	3255	97.2	3240	96.7	3226	96.3	3223	96.2	3386	100.3	3385	100.0	3358		3318		3378				3445	
I realisting include	5545	00-0	0070	0070	0200	01.2	0 <u>2</u> +0	50.1	0220	50.0	0220	JU.Z	0000	101.1	0000	101.1	0000	100.0	5515	55.1	5575	100.0	0-10-7	102.0	0-7-0	102.0

13888 103.8

13598 101.6

14441 105.9

14563 106.8

14787 108.5

14810 108.6

15191 111.4 15486 113.6

15759 **115.6**

^{13086 13086 13379 13379 12839 98.1} Countywide Totals 'A' includes additions as reflected in FY 2016 CIP for grades 6-8 'R' = Replacement school scheduled to open August 2017

^{&#}x27;NS' = New middle school

		Capa	acity		20	15-16	20	16-17	20	17-18	20 ⁻	18-19	20	19-20	20:	20-21	202	21-22	20	22-23	20	23-24	202	24-25	20	25-26
Columbia - East	2015	2016	2017	2018	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj '	% Util.	Proj	% Util.
Dakland Mills HS	1400	1400	1400	1400	1161	82.9	1390	99.3	1429	102.1	1430	102.1	1505	107.5	1519	108.5	1550	110.7	1599	114.2	1601	114.4	1605	114.6	1611	115.1
Columbia - West																										
Wilde Lake HS	1424	1424	1424	1424	1335	93.8	1369	96.1	1439	101.1	1483	104.1	1531	107.5	1618	113.6	1629	114.4	1680	118.0	1711	120.2	1709	120.0	1748	122.8
Northeastern																										
Howard HS	1420	1420	1420	1420	1867	131.5	1797	126.5	1938	136.5	2070	145.8	2141	150.8	2215	156.0	2265	159.5	2336	164.5	2379	167.5	2369	166.8	2411	169.8
₋ong Reach HS	1488	1488	1488	1488	1494	100.4	1632	109.7	1728	116.1	1812	121.8	1918	128.9	2036	136.8	2076	139.5	2216	148.9	2283	153.4	2311	155.3	2439	163.9
New HS #13	NS 0	0	0	0																						
Region HS Totals	2908	2908	2908	2908	3361	115.6	3429	117.9	3666	126.1	3882	133.5	4059	139.6	4251	146.2	4341	149.3	4552	156.5	4662	160.3	4680	160.9	4850	166.8
Northern																										
Centennial HS	1360	1360	1360	1360	1447	106.4	1495	109.9	1588	116.8	1640	120.6	1651	121.4	1666	122.5	1680	123.5	1688	124.1	1728	127.1	1795	132.0	1846	135.7
Marriotts Ridge HS	1615	1615	1615	1615	1258	77.9	1303	80.7	1374	85.1	1426	88.3	1428	88.4	1464	90.7	1497	92.7	1518	94.0	1545	95.7	1551	96.0	1563	96.8
∕It Hebron HS	1400	1400	1400	1400	1460	104.3	1542	110.1	1583	113.1	1639	117.1	1735	123.9	1755	125.4	1805	128.9	1860	132.9	1852	132.3	1888	134.9	1893	135.2
Region HS Totals	4375	4375	4375	4375	4165	95.2	4340	99.2	4545	103.9	4705	107.5	4814	110.0	4885	111.7	4982	113.9	5066	115.8	5125	117.1	5234	119.6	5302	121.2
Southeastern																										
Hammond HS	1220	1220	1220	1220	1307	107.1	1338	109.7	1406	115.2	1480	121.3	1601	131.2	1693	138.8	1779	145.8	1878	153.9	1896	155.4	1969	161.4	2007	164.5
Vestern																										
tholton HS	1360	1360	1360	1360	1467	107.9	1471	108.2	1550	114.0	1617	118.9	1628	119.7	1700	125.0	1734	127.5	1773	130.4	1824	134.1	1839	135.2	1868	137.4
lenelg HS	1420	1420	1420	1420	1275	89.8	1239	87.3	1227	86.4	1290	90.8	1278	90.0	1274	89.7	1290	90.8	1290	90.8	1302	91.7	1320	93.0	1309	92.2
eservoir HS	1551	1551	1551	1551	1547	99.7	1575	101.5	1635	105.4	1761	113.5	1824	117.6	1882	121.3	1944	125.3	2019	130.2	2066	133.2	2113	136.2	2137	137.
iver Hill HS	1488	1488	1488	1488	1286	86.4	1255	84.3	1281	86.1	1276	85.8	1250	84.0	1260	84.7	1249	83.9	1266	85.1	1285	86.4	1271	85.4	1272	85.
Region HS Totals	5819	5819	5819	5819	5575	95.8	5540	95.2	5693	97.8	5944	102.1	5980	102.8	6116	105.1	6217	106.8	6348	109.1	6477	111.3	6543	112.4	6586	113
Countywide Totals	17146	17146	17146	17146	16904	98.6	17406	101.5	18178	106.0	18924	110.4	19490	113.7	20082	117.1	20498	119.5	21123	123.2	21472	125.2	21740	126.8	22104	128

PUBLIC SCHOOL ENROLLMENT ACTUAL FOR 1973-2013 AND ESTIMATED FOR 2014-2027

		Elementary	K-5	Middle	6-8	High	9-12	Sp. Ed. School		K-12	
	<u>Year</u>	Enrollment	<u>Change</u>	Enrollment	<u>Change</u>	Enrollment	<u>Change</u>		<u>Change</u>	Enrollment	Change
	1973	10,481	-	5,289	-	6,177	-	30	-	21,977	-
	1974	10,798	317	5,652	363	6,638	461	35	5	23,123	1,146
	1975	10,891	93	6,025	373	7,032	394	44	9	23,992	869
	1976	11,069	178	6,117	92	7,410	378	61	17	24,657	665
	1977	11,246	177	6,175	58	7,957	547	62	1	25,440	783
Α	1978	10,968	-278	6,080	-95	8,488	531	70	8	25,606	166
C	1979	10,627	-341	6,163	83	8,530	42	80	10	25,400	-206
T	1980	10,261	-366	6,337	174	8,547	17	83	3	25,228	-172
U	1981 1982	9,856	-405	6,409	72 164	8,468	-79	112 106	29 -6	24,845	-383
Α	1983	9,486 9,414	-370 -72	6,245 5,988	-164 -257	8,387 8,458	-81 71	103	-0 -3	24,224 23,963	-621 -261
L	1984	9,808	394	5,597	-391	8,723	265	124	21	24,252	289
	1985	10,439	631	5,496	-101	8,900	177	143	19	24,978	726
_	1986	11,135	696	5,551	55	8,737	-163	173	30	25,596	618
E	1987	12,155	1,020	5,727	176	8,675	-62	191	18	26,748	1,152
N R	1988	13,225	1,070	5,776	49	8,441	-234	147	-44	27,589	841
0	1989	14,160	935	6,235	459	8,305	-136	136	-11	28,836	1,247
L	1990	15,001	841	6,603	368	8,248	-57	150	14	30,002	1,166
Ĺ	1991	15,805	804	7,058	455	8,527	279	70	-80	31,460	1,458
M	1992	16,456	651	7,382	324	8,858	331	60	-10	32,756	1,296
Е	1993	17,155	699	7,958	576	9,107	249	58	-2	34,278	1,522
N	1994	17,767	612	8,510	552	9,611	504	62	4	35,950	1,672
Т	1995	18,226	459	8,843	333	10,181	570	73	11	37,323	1,373
S	1996	18,795	569	9,066	223	10,713	532	82	9	38,656	1,333
	1997	19,241	446	9,293	227	11,387	674	89	7	40,010	1,354
	1998	19,849	608	9,669	376	12,020	633	95	6	41,633	1,623
	1999	20,395	546	10,177	508	12,481	461	103	8	43,156	1,523
	2000	20,821	426	10,672	495	12,927	446 550	105	2	44,525	1,369
	2001 2002	21,000 21,012	179 12	11,138 11,446	466 308	13,479 14,080	552 601	115 112	10 -3	45,732 46,650	1,207 918
	2002	20,792	-220	11,446	243	14,080	549	101	د- 11-	47,211	561
	2003	20,792	-294	11,754	65	15,235	606	95	-6	47,582	371
	2005	20,412	-86	11,716	-38	15,580	345	87	-8	47,795	213
	2006	20,318	-94	11,889	173	15,858	278	90	3	48,155	360
	2007	20,550	232	11,740	-149	16,094	236	96	6	48,480	325
	2008	20,811	261	11,748	8	16,231	137	98	2	48,888	408
	2009	21,292	481	11,649	-99	16,657	426	85	-13	49,683	795
	2010	21,814	522	11,472	-177	16,614	-43	91	6	49,991	308
	2011	22,246	432	11,523	51	16,627	13	93	2	50,489	498
	2012	22,735	489	11,483	-40	16,660	33	91	-2	50,969	480
	2013	23,327	592	11,890	407	16,378	-282	86	-5	51,681	712
	2014	23,698	371	12,276	386	16,438	60	99	13	52,511	830
Р	2015	24,343	645	12,839	563	16,904	466	99	0	54,185	1,674
R	2016	24,945	602	13,191	352	17,406	502	99	0	55,641	1,456
0	2017	25,451	506	13,598	407	18,178	772	99	0	57,326	1,685
J	2018	26,010	559	13,888	290	18,924	746	99	0	58,921	1,595
Е	2019	26,323	313	14,441	553	19,490	566	99	0	60,353	1,432
С	2020	26,834	511 254	14,563	122	20,082	592	99	0	61,578	1,225
Ţ	2021 2022	27,188 27,529	354 341	14,787 14,810	224 23	20,498 21,123	416 625	99 99	0 0	62,572 63,561	994 989
I	2022	27,740	211	15,191	381	21,123	349	99	0	64,502	941
O N	2023	27,740	236	15,191	295	21,472	268	99	0	65,301	799
N S	2024	28,236	260	15,759	273	22,104	364	99	0	66,198	897
S	2026	28,517	281	15,895	136	22,326	222	99	0	66,837	639
as of	2027	28,756	239	15,999	104	22,780	454	99	0	67,634	797
ac 0.		(1) All "actual" e						30	J	,	

Notes: (1) All "actual" enrollments are head count as of September 30th.

^{(2) &}quot;Change" column indicates change from prior year.

⁽³⁾ Preschool enrollments are not included in these figures.

⁽⁴⁾ Cedar Lane School's projected enrollment is based on Cedar Lane School's September 30, 2014 enrollment

ELEMENTARY SCHOOLS - MAY 2014 APFO Test

Capacity Utilization Rates with Board of Education's Approved FY 2015 Capital Budget Projects

				raiaatia	nc Baa	ᅥ서더ᅛ	ontion's Doc	TUDOTOD E	V 2015 con	acitiae an	d offocto	of approve	ad radiatri	ting for the	2015 C	5 cohool v	or oc wo	lac prop	acad ra	dictriction	a accocia	ated with Ca	nital Draia	oto		
	Chartie		pacity	Tojectio		2017-18		2018-19		2019-20	u enecis	2020-21	ea realstri	2021-22	2014-	2022-23		2023-			g associa 2 024-25		2025-26	CiS.	2026-27	
Columbia - East	201			2020	Proj	% Util.	Proj	% Util.	Proj	% Util.	Pro	oj % Util	. Pro		P	roj % Ut		roj % l		Proj	% Util.	Proj	% Util.	Pr		
Cradlerock ES	48		487	487	452	92.8	458	94.0	454	93.2	46	•	474			76 97.7		91 100		506	103.9	520	106.8	53		
Jeffers Hill ES	42		421	421	426	101.2	427	101.4	426	101.2	43		440			45 105.		52 10°		458	108.8	466	110.7	47		
Phelps Luck ES	64		640	640	585	91.4	571	89.2	566	88.4	56		57°	89.2		80 90.6		89 92		593	92.7	600	93.8	60		
Stevens Forest ES	43		433	433	486	112.2	465	107.4	467	107.9	47		476			79 110.		85 112		490	113.2	494	114.1	49		С
Talbott Springs ES	44		443	443	432	97.5	436	98.4	439	99.1	44		45	101.8		55 102.		62 104		468	105.6	474	107.0	48		
Thunder Hill ES	46		468	468	459	98.1	460	98.3	457	97.6	46		469			70 100.		79 10		487	104.1	493	105.3	50		
Region Totals	289	2 2892	2892	2892	2840	98.2	2817	97.4	2809	97.1	284	98.5	288	99.6	29	005 100.	29	958 <mark>10</mark> 2	2.3	3002	103.8	3047	105.4	30	90 106.8	
Columbia - West																										
Bryant Woods ES	35		355	355	402	113.2	413	116.3	C 419	118.0	C 42		C 440			42 124 .			5.2 C	453	127.6	C 456	128.5	C 46		С
Clemens Crossing E			522	522	502	96.2	495	94.8	484	92.7	49		488	93.5		94 94.6		93 94		487	93.3	485	92.9	48		
Longfellow ES	41		418	418	412	98.6	431	103.1	443	106.0	44		448		_	56 109.		61 110		464	111.0	469	112.2	47		
Running Brook ES	51		515	515	585	113.6	636	123.5	C 693	134.6	C 74					41 163.		74 169			174.4	C 924	179.4	C 95		С
Swansfield ES	A 52		628	628	577	109.3	578	92.0	573	91.2	57		578			91 94.1		99 95		605	96.3	612	97.5	62		_
Region Totals	233	8 2438	2438	2438	2478	106.0	2553	104.7	2612	107.1	268	6 110.2	275	112.8	28	324 115 .	3 C 28	375 11	7.9 C	2907	119.2	C 2946	120.8	C 29	90 122.6	С
Northeastern					I																					_
Bellows Spring ES	76	2 762	762	762	770	101.0	828	108.7	885	116.1	C 93	0 122.0	C 96	126.1	C	65 126.	C 9	70 12	7.3 C	956	125.5	C 942	123.6	C 92	2 121.0	C
Deep Run ES	A 70		702	702	653	93.2	691	98.6	710	101.3	75			111.4		86 112.		95 11		793	113.1	786	112.1	77		Ĭ
Ducketts Lane ES	60		600	600	826	137.7	C 918	153.0	C 933	155.5	C 93					61 160.		72 16			162.5	C 992	165.3	C 10		С
Elkridge ES	77		779	779	857	110.0	877	112.6	896	115.0	C 90			121.6		80 125.		87 12			126.8	C 1007	129.3	C 10		č
Ilchester ES	61		617	617	627	101.6	618	100.2	608	98.5	63		629	101.9		61 107.		76 109		705	114.3	716	116.0	C 72		č
Rockburn ES	66		667	667	524	78.6	528	79.2	534	80.1	53		540			98 89.7		31 94		651	97.6	657	98.5	64		۲I
Veterans ES	78		788	788	931	118.1	C 946	120.1	C 941	119.4	C 92		C 89	113.8		91 113.		79 11		880	111.7	895	113.6	92		C
Waterloo ES	59		594	594	641	107.9	659	110.9	667	112.3	68		C 689			94 116.		02 11			120.2	C 730	122.9	C 74		č
Worthington ES	51		516	516	578	112.0	579	112.2	579	112.2	56		569			79 112.		88 114		599	116.1	C 610	118.2	C 62		č
Region Totals	602			6024	6407	106.4	6644	110.3	6753	112.1		8 113.8	695			15 118.		200 11			120.5	C 7335	121.8	C 73		$\frac{\sigma}{c}$
rtogion rotale					0.01				0.00															<u> </u>		
Northern																										
Northern Centennial Lane ES	62	8 628	628	628	796	126.8	C 800	127.4	C 834	132.8	C 85	0 135.4	C 842	134.1	C 8	55 136 .	C 8	60 130	6.9 C	861	137.1	C 864	137.6	C 86	9 138.4	С
	62 68		628 688	628 688	796 705	126.8 102.5	C 800 715	127.4 103.9	C 834 728	132.8 105.8	C 85 74		C 842		•	55 136. 95 115.		60 130 29 120			137.1 123.1	C 864 C 863	137.6 125.4	C 86		C
Centennial Lane ES		688					• 000					7 108.6	75	109.7	7		C 8).5 C	847					1 126.6	CCC
Centennial Lane ES Hollifield Station ES	68 64 67	688 647 672	688	688	705 679 704	102.5 104.9 104.8	715 783 717	103.9 121.0 106.7	728	105.8 135.2 105.7	74	7 108.6 00 154.6	755 C 111	109.7 2 171.9 109.4	7 C 1	95 115. 83 182. 46 111.	6 C 8 8 C 12	29 120 242 192 64 113	0.5 C 2.0 C 3.7	847 1285 775	123.1 198.6 115.3	C 863	125.4 203.4 118.9	C 87 C 13 C 81	71 126.6 00 200.9 6 121.4	cccc
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES	68/ 64/ 67/ 59	8 688 7 647 2 672 7 597	688 647	688 647	705 679 704 574	102.5 104.9 104.8 96.1	715 783	103.9 121.0	728 C 875	105.8 135.2	74 C 100	7 108.6 00 <mark>154.6</mark> 0 108.6	755 C 111	109.7 2 171.9 109.4 102.2	7 C 1	95 115. 83 182.	6 C 8 6 C 12 7 7	29 120 242 192 64 113 35 100	0.5 C 2.0 C 3.7	847 1285 775 642	123.1 198.6 115.3 107.5	C 863C 1316	125.4 203.4 118.9 108.4	C 87	1 126.6 00 200.9 6 121.4 0 112.2	CCCC
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES	68 64 67	8 688 7 647 2 672 7 597	688 647 672	688 647 672	705 679 704	102.5 104.9 104.8	715 783 717	103.9 121.0 106.7 96.5 80.6	728 C 875 710	105.8 135.2 105.7	74 C 100 73	7 108.6 00 154.6 0 108.6 2 100.8	759 C 111 739	109.7 2 171.9 109.4 102.2	7 C 17 7	95 115. 83 182. 46 111.	6 C 8 6 C 12 7 7	29 120 242 192 64 113	0.5 C 2.0 C 3.7 5.4	847 1285 775	123.1 198.6 115.3	C 863C 1316C 799	125.4 203.4 118.9	C 87 C 13 C 81	1 126.6 00 200.9 6 121.4 0 112.2	CCCC
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES	68/ 64/ 67/ 59	8 688 7 647 2 672 7 597 5 775	688 647 672 597 775	688 647 672 597 775	705 679 704 574	102.5 104.9 104.8 96.1	715 783 717 576	103.9 121.0 106.7 96.5 80.6	728 C 875 710 587	105.8 135.2 105.7 98.3	74 C 100 73 60	7 108.6 00 154.6 0 108.6 2 100.8 8 82.3	755 C 111 735 610	109.7 2 171.9 109.4 102.2 82.5	7 C 1′ 7 6 6	95 115. 83 182. 46 111. 24 104.	6 C 8 B C 12 7 5 6	29 120 242 192 64 113 35 100	0.5 C 2.0 C 3.7 6.4	847 1285 775 642 677	123.1 198.6 115.3 107.5	C 863C 1316C 799647	125.4 203.4 118.9 108.4	C 87 C 13 C 81	11 126.6 00 200.9 6 121.4 70 112.2 8 93.9	CCCC
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals	68 64 67 59 A 77	8 688 7 647 2 672 7 597 5 775	688 647 672 597 775	688 647 672 597 775	705 679 704 574 657	102.5 104.9 104.8 96.1 84.8	715 783 717 576 625	103.9 121.0 106.7 96.5 80.6	728 C 875 710 587 625	105.8 135.2 105.7 98.3 80.6	74 C 100 73 60 63	7 108.6 00 154.6 0 108.6 2 100.8 8 82.3	758 C 111 738 610 639	109.7 2 171.9 109.4 102.2 82.5	7 C 1′ 7 6 6	95 115. 183 182. 46 111. 24 104. 52 84.1	6 C 8 B C 12 7 5 6	29 120 242 192 64 113 35 100 62 85	0.5 C 2.0 C 3.7 6.4 .4	847 1285 775 642 677	123.1 198.6 115.3 107.5 87.4	C 863 C 1316 C 799 647 703	125.4 203.4 118.9 108.4 90.7	C 87 C 13 C 81 67	11 126.6 00 200.9 6 121.4 70 112.2 8 93.9	0000
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern	68 64 67 59 A 77 400	8 688 7 647 2 672 7 597 5 775 7 4007	688 647 672 597 775 7 4007	688 647 672 597 775 4007	705 679 704 574 657 4115	102.5 104.9 104.8 96.1 84.8 102.7	715 783 717 576 625 4216	103.9 121.0 106.7 96.5 80.6 105.2	728 C 875 710 587 625 4359	105.8 135.2 105.7 98.3 80.6 108.8	74 C 100 73 60 63 456	7 108.6 00 154.6 0 108.6 2 100.8 8 82.3 7 114.0	759 C 1111 739 610 639 469	109.7 171.9 109.4 102.2 82.5 117.1	7 C 1.7 6 6 C 48	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121.	6 C 8 6 C 12 7 7 6 6 6 6 2 C 49	29 120 242 192 64 113 35 100 62 85 992 120	0.5 C 2.0 C 3.7 6.4 .4	847 1285 775 642 677 5087	123.1 198.6 115.3 107.5 87.4 127.0	C 863 C 1316 C 799 647 703 C 5192	125.4 203.4 118.9 108.4 90.7 129.6	C 87 C 13 C 81 67 72 C 52	11 126.6 200.9 6 121.4 10 112.2 18 93.9 131.1	
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES	68 64 67 59 A 77 400	8 688 7 647 2 672 7 597 7 775 7 4007	688 647 672 597 775 7 4007	688 647 672 597 775 4007	705 679 704 574 657 4115	102.5 104.9 104.8 96.1 84.8 102.7	715 783 717 576 625 4216	103.9 121.0 106.7 96.5 80.6 105.2	728 C 875 710 587 625 4359	105.8 135.2 105.7 98.3 80.6 108.8	74 C 100 73 60 63 456	7 108.6 00 154.6 0 108.6 2 100.8 8 82.3 67 114.0	755 C 1111 735 610 639 469	109.7 2 171.9 109.4 102.2 82.5 3 117.1	77 C 11 7 6 6 6 C 48	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121.	6 C 8 6 C 12 7 7 6 6 6 6 2 C 49	29 120 242 192 64 113 35 100 62 85 992 120	0.5 C 2.0 C 3.7 6.4 .4 4.6 C	847 1285 775 642 677 5087	123.1 198.6 115.3 107.5 87.4 127.0	C 863 C 1316 C 799 647 703 C 5192 C 452	125.4 203.4 118.9 108.4 90.7 129.6	C 87 C 13 C 81 67 72 C 52	11 126.6 200.9 6 121.4 70 112.2 28 93.9 54 131.1	c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES	68 64 67 59 A 77 400	8 688 7 647 2 672 7 597 7 4007 7 387 8 663	688 647 672 597 775 7 4007 387 663	688 647 672 597 775 4007 387 663	705 679 704 574 657 4115 398 891	102.5 104.9 104.8 96.1 84.8 102.7	715 783 717 576 625 4216 C 953	103.9 121.0 106.7 96.5 80.6 105.2	728 C 875 710 587 625 4359 C 414 C 999	105.8 135.2 105.7 98.3 80.6 108.8	74 C 100 73 60 63 456 C 104	7 108.6 00 154.6 0 108.6 2 100.8 8 82.3 67 114.0 0 108.5 14 157.5	755 C 1111 739 610 639 469 C 105	109.7 171.9 109.4 102.2 82.5 117.1	C 11 6 6 6 C 48 C 10	95 115. 183 182. 46 111. 24 104. 52 84.1 35 121. 33 111. 33 156.	6 C 8 C 12 7 7 6 6 6 6 6 6 4 C 4 S C 4 S C 10 C	29 120 242 192 64 113 35 100 62 85 992 12 4 39 113 119 153	0.5 C 2.0 C 3.7 6.4 .4 4.6 C	847 1285 775 642 677 5 5087 445 999	123.1 198.6 115.3 107.5 87.4 127.0	C 863 C 1316 C 799 647 703 C 5192 C 452 C 994	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9	C 87 C 13 C 81 67 72 C 52 C 46 C 10	11 126.6 200.9 6 121.4 70 112.2 28 93.9 54 131.1 51 119.1 57 151.9	C
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES	68 64 67 59 A 773 400 38 66 62	8 688 7 647 2 672 7 597 7 4007 7 387 8 663 6 626	688 647 672 597 775 7 4007 387 663 626	688 647 672 597 775 4007 387 663 626	705 679 704 574 657 4115 398 891 866	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3	715 783 717 576 625 4216 C 953 C 865	103.9 121.0 106.7 96.5 80.6 105.2	728 C 875 710 587 625 4359 C 414 C 999 C 888	105.8 135.2 105.7 98.3 80.6 108.8	74 C 100 73 60 63 456 C 104 C 91	7 108.6 90 154.6 108.6 2 100.8 8 82.3 7 114.0 0 108.5 14 157.5 0 145.4	759 C 1111 739 610 639 469 C 105 C 929	109.7 171.9 109.4 102.2 82.5 117.1 109.6 158.4 147.8	C 16 6 6 C 48 C 10 C 9	95 115. 183 182. 46 111. 24 104. 52 84.1 35 121. 33 111. 33 156. 25 147.	6 C 8 C 12 C 12 C 49 C 16 C 1	29 120 242 192 64 113 35 100 62 85 992 12 4 39 113 219 153 27 146	2.0 C 3.7 6.4 .4 4.6 C	847 1285 775 642 677 5 5087 445 999 933	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0	C 863 C 1316 C 799 647 703 C 5192 C 452 C 994 C 935	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4	C 87 C 13 C 81 67 72 C 52 C 52 C 46 C 10 C 95	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 61 119.1 67 151.9 60 151.8	c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES	68 64 67 59 A 77 400 38 66 62 5 71	8 688 7 647 2 672 7 597 7 4007 7 387 8 663 6 626 3 713	688 647 672 597 775 4007 387 663 626 713	688 647 672 597 775 4007 387 663 626 713	705 679 704 574 657 4115 398 891 866 734	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9	715 783 717 576 625 4216 C 953 C 865 733	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8	728 C 875 710 587 625 4359 C 888 725	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7	74 C 100 73 60 63 456 C 104 C 91 71	7 108.6 100 154.6 100.8 100.8 100.8 100.8 114.0 108.5 145.4 100.0	759 C 1111 739 610 639 469 C 105 C 929 722	109.7 171.9 109.4 102.2 82.5 117.1 109.6 158.4 147.8 101.3	C 16 66 C 48 C 10 C 9	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 33 156. 25 147. 27 102.	6 C 8 6 C 12 7 7 6 6 6 6 2 C 49 1 C 10 8 C 9	29 120 242 192 64 113 35 100 62 85 992 12 4 39 113 019 153 27 144 96 97	2.0 C 3.7 6.4 .4 .4 C	847 1285 775 642 677 5087 445 999 933 699	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0	C 863 C 1316 C 799 647 703 C 5192 C 452 C 994 C 935 704	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7	C 87 C 13 C 81 67 72 C 52 C 52 C 10 C 95	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 61 119.1 67 151.9 60 151.8 99.2	C
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES	68 64 67 59 A 77 400 38 66 62 5 71 46	8 688 7 647 2 672 7 597 7 4007 7 387 8 663 6 626 3 713 2 462	688 647 672 597 775 4007 387 663 626 713 462	688 647 672 597 775 4007 387 663 626 713 462	705 679 704 574 657 4115 398 891 866 734 494	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9	715 783 717 576 625 4216 C 953 C 865 733 492	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5	728 C 875 710 587 625 4359 C 888 725 479	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7	74 C 100 73 60 63 456 C 104 C 91 71 49	7 108.6 100 154.6 100.8 100	759 C 1111 739 610 639 469 C 105 C 929 722 493	109.7 171.9 109.4 102.2 82.5 117.1 109.6 158.4 147.8 101.3 106.7	C 110 66 67 C 48 C 10 C 9	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 33 156. 25 147. 27 102. 96 107.	6 C 8 6 C 12 7 7 6 6 6 6 2 C 49 1 C 10 8 C 9 6 6	29 120 242 193 64 113 35 100 62 85 992 12 4 39 113 27 144 96 97 00 108	2.0 C 3.7 S 5.4 .4 41.6 C	847 1285 775 642 677 5087 445 999 933 699 506	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5	C 863 C 1316 C 799 647 703 C 5192 C 452 C 994 C 935 704 511	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6	C 87 C 13 C 81 67 72 C 52 C 52 C 10 C 95 70 51	11 126.6 200.9 6 121.4 10 112.2 18 93.9 131.1 119.1 151.9 150 151.8 17 99.2 111.0	ccc
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES	68 64 67 59 A 77: 400 38 66 62: 59	8 688 7 647 2 672 7 597 7 775 7 4007 7 387 8 663 6 626 8 713 2 462 7 597	688 647 672 597 775 4007 387 663 626 713 462 597	688 647 672 597 775 4007 387 663 626 713 462 597	705 679 704 574 657 4115 398 891 866 734 494 585	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0	715 783 717 576 625 4216 C 953 C 865 733 492 595	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7	728 C 875 710 587 625 4359 C 999 C 888 725 479 611	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7 102.3	74 C 100 73 60 63 456 C 104 C 91 71 49 62	7 108.6 7 154.6 100.8	759 C 1111 739 610 639 469 C 105 C 929 722 493 677	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4	C 10 C 10 C 9 7	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 33 156. 25 147. 27 102. 96 107. 93 116.	6 C 8 6 C 12 7 7 6 6 6 6 2 C 49 1 C 10 8 C 9 6 6	29 120 242 193 64 113 35 100 62 85 992 124 39 113 39 113 39 113 39 144 96 97 00 100 23 12	3.4 4.6 C	847 1285 775 642 677 5087 445 999 933 699 506 751	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 61 119.1 60 151.8 67 99.2 3 111.0 61 134.2	ccc
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES	68 64 67 59 A 773 400 38 66 62 59 A 64	8 688 7 647 2 672 7 597 7 75 7 4007 7 387 8 663 6 626 3 713 2 462 7 597 0 640	688 647 672 597 775 4007 387 663 626 713 462 597 640	688 647 672 597 775 4007 387 663 626 713 462 597 640	705 679 704 574 657 4115 398 891 866 734 494 585 592	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5	715 783 717 576 625 4216 C 953 C 865 733 492 595 594	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8	728 C 875 710 587 625 4359 C 888 725 479 611 590	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7 102.3 92.2	74 C 100 73 60 63 456 C 104 C 91 71 49 62 58	7 108.6 154.6 0 108.6 2 100.8 8 82.3 7 114.0 0 108.5 14 157.5 0 145.4 3 100.0 2 106.5 9 105.4 8 91.9	758 C 1111 738 610 638 469 C 105 C 928 722 493 677 603	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2	C 16 66 C 48 C 10 C 9 7 4 66	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 33 156. 25 147. 27 102. 96 107. 93 116. 16 96.3	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29 120 242 192 64 113 35 100 62 85 992 120 39 113 39 113 39 113 39 153 27 144 96 97 00 108 23 123 36 99	3.4 4.6 C 3.7 C 3.7 C 3.4 4.6 C	847 1285 775 642 677 5087 445 999 506 751 645	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80 65	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 119.1 107 151.9 10 151.8 10 19.2 111.0 11 134.2 12 101.9	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES	68 64 67 59 A 77: 400 38 66 62: 59	8 688 7 647 2 672 7 597 7 75 7 4007 7 387 8 663 6 626 3 713 2 462 7 597 0 640	688 647 672 597 775 4007 387 663 626 713 462 597 640	688 647 672 597 775 4007 387 663 626 713 462 597 640	705 679 704 574 657 4115 398 891 866 734 494 585	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0	715 783 717 576 625 4216 C 953 C 865 733 492 595	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8	728 C 875 710 587 625 4359 C 999 C 888 725 479 611	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7 102.3	74 C 100 73 60 63 456 C 104 C 91 71 49 62	7 108.6 154.6 0 108.6 2 100.8 8 82.3 7 114.0 0 108.5 14 157.5 0 145.4 3 100.0 2 106.5 9 105.4 8 91.9	758 C 1111 738 610 638 469 C 105 C 928 722 493 677 603	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2	C 16 66 C 48 C 10 C 9 7 4 66	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 33 156. 25 147. 27 102. 96 107. 93 116.	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29 120 242 193 64 113 35 100 62 85 992 124 39 113 39 113 39 113 39 144 96 97 00 100 23 12	3.4 4.6 C 3.7 C 3.7 C 3.4 4.6 C	445 999 506 751 645	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 119.1 107 151.9 10 151.8 10 19.2 111.0 11 134.2 12 101.9	ccc
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals	68 64 67 59 A 77 400 38 66 62 71 46 59 A 64 408	8 688 7 647 2 672 7 597 6 775 7 4007 7 387 8 663 6 626 8 626 7 597 6 408	688 647 672 597 775 7 4007 387 663 626 713 462 597 640 8 4088	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3	728 C 875 710 587 625 4359 C 888 725 479 611 590 4706	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7 102.3 92.2 115.1	74 C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479	7 108.6 7 108.6 100.8 8 82.3 114.0 0 108.5 14 157.5 0 145.4 3 100.0 2 106.5 9 1.9 106.1 117.3	755 C 1111 739 610 639 469 424 C 105 C 929 722 493 67 603 C 488	109.7 171.9 109.4 102.2 82.5 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 119.6	C 10 C 48 C 10 C 9 7 4 6 6 C 49	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 33 156. 25 147. 27 102. 96 107. 93 116. 16 96.3 025 120.	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29 120 242 192 64 113 35 100 62 85 992 12 4 39 113 019 153 227 144 96 97 00 103 23 12 36 99 940 12 6	3.4 44.6 C 3.7 6.4 .4 4.6 C	\$ 847 1285 775 642 677 \$ 5087 445 999 506 751 645 4978	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8	C 863 C 1316 C 799 647 703 C 5192 C 452 C 994 C 935 704 511 C 782 650 C 5028	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80 65 C 50	11 126.6 200.9 6 121.4 70 112.2 28 93.9 54 131.1 61 119.1 67 151.9 60 151.8 67 99.2 63 111.0 61 134.2 62 101.9 91 124.5	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES	68 64 67: 59 A 77: 400 38 66: 62: 71: 46: 59 A 64: 408	8 688 7 647 2 672 7 597 6 775 7 4007 7 387 8 663 6 626 8 713 2 462 7 597 0 640 8 4088	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3	728 C 875 710 587 625 4359 C 888 725 479 611 590 4706	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7 102.3 92.2 115.1	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479	7 108.6 7 108.6 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.0 100.5 100.0 100.5 100.0 100.5 100.0 100.5 100.0	755 C 1111 739 610 639 469 424 C 105 C 929 722 493 67 603 C 488	109.7 171.9 109.4 102.2 82.5 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 119.6	C 10 C 48 C 10 C 9 7 4 6 6 C 49	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 335 156. 25 147. 27 102. 96 107. 93 116. 16 96.3 125 120.	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29 120 242 192 64 113 35 100 62 85 39 113 39 113 39 15 27 144 96 97 00 106 23 12 36 99 340 120	3.4 4.6 C 3.7 6.4 .4 4.6 C	445 999 506 751 645 496	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8	C 863 C 1316 C 799 647 703 C 5192 C 452 C 994 C 935 704 511 C 782 650 C 5028	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0	C 87 C 13 C 81 67 72 C 52 C 52 C 10 C 95 70 51 C 80 65 C 50	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 61 119.1 67 151.9 60 151.8 67 99.2 63 111.0 61 134.2 62 101.9 91 124.5	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES	68 64 67 59 A 77 400 38 66 62 71 46 59 A 64 408	8 688 647 672 597 775 7 4007 7 387 8 663 6 626 8 713 2 462 7 597 6 640 8 4088	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560 486 323	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633 470 290	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3	728 C 875 710 587 625 4359 C 999 C 888 725 479 611 590 4706	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7 102.3 92.2 115.1	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479	7 108.6 7 108.6 100.8 100.8 100.8 100.8 100.8 100.0 108.5 144.0 157.5 145.4 100.0 106.5 105.4 105.4 105.4 106.5 105.4 105.4 106.5 106.5 106.5 106.8 107.3	755 C 1111 735 610 635 469 424 C 105 C 925 722 493 67 603 C 488	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 3 119.6	C 10 C 48 C 48 C 10 C 9 7 4 66 C 49	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 33 156. 25 147. 27 102. 96 107. 93 116. 96.3 92 62.4 12 49.2	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29 120 242 192 64 113 35 100 62 85 992 120 39 113 99 97 00 100 23 123 36 99 940 120 87 61 06 48	3.4 4.6 C 3.7 C 3.8 C 3.1 C 6.3.2 C 1.1 C .8 .3	445 999 506 751 645 445 999 506 751 645 496 304	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8	C 863 C 1316 C 799 647 703 C 5192 C 452 C 994 C 935 704 511 C 782 650 C 5028	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80 65 C 50	11 126.6 200.9 6 121.4 10 112.2 18 93.9 154 131.1 151.9 150 151.8 17 99.2 13 111.0 11 134.2 12 101.9 12 124.5 17 64.3 18 49.4	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES	68 64 67 59 A 77: 400 38 66 62: 59 A 64 408 78: 63: 78:	8 688 647 672 7 597 7 775 7 4007 7 387 8 663 6 626 8 713 2 462 7 597 6 408 8 4088 8 788 8 634 8 788	688 647 672 597 775 4007 387 663 626 713 462 597 640 8 4088 788	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560 486 323 490	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633 470 290 459	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3	728 C 875 710 587 625 4359 C 999 C 888 725 479 611 590 4706 468 293 430	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7 102.3 92.2 115.1	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479 47 30 43	7 108.6 7 108.6 100 154.6 0 108.6 2 100.8 8 82.3 67 114.0 0 108.5 14 157.5 0 145.4 3 100.0 2 106.5 9 105.4 8 91.9 9 60.8 47.8 7 55.5	755 C 1111 735 610 635 469 C 105 C 925 722 493 677 603 C 488	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 3 119.6	C 10 C 48 C 48 C 10 C 9 7 4 66 C 48	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 335 156. 25 147. 27 102. 96 107. 93 116. 96.3 92 62.4 12 49.2 46 56.6	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29 120 242 192 64 113 35 100 62 85 992 124 39 113 39 113 39 113 27 144 96 97 00 106 23 123 36 99 940 120 87 61 06 48 47 56	3.4 4.6 C 3.7 C 3.8 C 3.1 C 6.3.2 C 1.1 C .4 C	\$ 847 1285 775 642 677 \$ 5087 445 999 506 \$ 751 645 \$ 4978 496 304 453	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650 C 5028	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0	C 87 C 13 C 81 67 72 C 52 C 100 C 95 70 51 C 80 65 C 50	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 61 119.1 60 151.8 60 151.8 67 99.2 63 111.0 61 134.2 62 101.9 64.3 64.3 66 59.1	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES	68 64 67 59 A 77: 400 38 66 62: 59 A 64 408 78: 77:	8 688 647 2 672 7 597 7 775 7 4007 7 387 8 663 6 626 8 713 2 462 7 597 6 408 8 4088 8 788 4 634 8 788 7 72	688 647 672 597 775 4007 387 663 626 713 462 597 640 8 4088 788 634 788 772	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788 772	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560 486 323 490 869	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633 470 290 459 913	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3	728 C 875 710 587 625 4359 C 999 C 888 725 479 611 590 4706 468 293 430 920	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 102.3 92.2 115.1	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479 47 30 43 C 90	7 108.6 7 108.6 100.8 100.8 100.8 100.8 100.0 108.5 14.0 157.5 145.4 100.0 106.5	755 C 1111 735 610 635 469 C 105 C 925 722 493 677 603 C 488	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 3 119.6 59.9 47.3 56.5 115.0	C 48 C 48 C 10 C 9 7 4 6 6 C 48 C 48 C 8	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 335 156. 25 147. 27 102. 96 107. 93 116. 16 96.3 125 120.	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29 120 242 192 64 113 35 100 62 85 992 120 399 153 27 144 96 97 00 103 23 120 36 99 940 120 87 61 06 48 47 56 14 103	3.4 4.6 C 3.7 5.4 4.6 C 3.1 C 6.3.2 1.1 C .4 0.8 C	445 999 506 751 645 496 304 453 798	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8 62.9 47.9 57.5 103.4	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650 C 5028	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0 64.1 48.7 57.7 102.7	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80 65 C 50	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 61 119.1 60 151.8 60 151.8 60 151.8 7 99.2 3 111.0 61 134.2 62 101.9 91 124.5 64.3 3 49.4 66 59.1 67 101.9	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES	68 64 67 59 A 773 400 38 66 62 59 A 64 408 78 63 78 77 55	8 688 647 2 672 7 597 7 75 7 4007 7 387 8 663 6 626 3 713 2 462 7 597 6 40 8 4088 8 788 4 634 7 72 8 73 8 73 8 788 8 788 8 788 9 772 9 75 9 75	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788 772 553	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788 772 553	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560 486 323 490 869 357	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 92.5 111.5 61.7 50.9 62.2 112.6 64.6	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633 470 290 459 913 352	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3	728 C 875 710 587 625 4359 C 999 C 888 725 479 611 590 4706 468 293 430 C 920 355	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 102.3 92.2 115.1 59.4 46.2 54.6 119.2 64.2	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479 47 30 43 C 90 35	7 108.6 7 108.6 100.8 8 82.3 7 114.0 0 108.5 14 157.5 0 145.4 3 100.0 2 106.5 9 105.4 8 91.9 117.3 9 60.8 47.8 7 55.5 3 117.0 4 64.0	755 C 1111 735 610 635 469 C 105 C 925 722 493 67 603 C 488 472 300 445 C 888 355	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 3 119.6 59.9 47.3 56.5 115.0 64.2	C 10 C 9 7 4 6 6 6 C 45 C 8 3	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 335 156. 25 147. 27 102. 96 107. 93 116. 16 96.3 125 120.	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29 120 242 192 64 113 35 100 62 85 992 120 399 113 39 113 39 113 27 144 96 97 00 103 23 120 36 99 940 120 87 61 06 48 47 56 14 103 81 68	3.4 4.6 C 3.7 5.4 4.6 C 3.7 C 6.8 3.2 1.1 C .8 3.7 5.4 .9	445 999 506 751 645 445 999 506 751 645 496 304 453 798 383	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8 62.9 47.9 57.5 103.4 69.3	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650 C 5028	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0 64.1 48.7 57.7 102.7 71.6	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80 65 C 50	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 119.1 107 151.9 100 151.8 107 99.2 111.0 11 134.2 12 101.9 12 101.9 12 101.9 13 49.4 16 59.1 17 101.9 18 72.7	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES	68 64 67 59 A 77 400 38 66 62 59 A 64 408 78 77 55 77	8 688 647 2 672 7 597 7 75 7 4007 7 387 8 663 6 626 7 13 2 462 7 597 6 40 8 4088 8 788 8 788 8 788 9 772 9 776 9 776	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788 772 553 776	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788 772 553 776	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560 486 323 490 869 357 520	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633 470 290 459 913 352 496	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3 59.6 45.7 58.2 118.3 63.7 63.9	728 728 728 710 587 625 4359 C 999 C 888 725 479 611 590 4706 468 293 430 C 920 355 499	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 102.3 92.2 115.1 59.4 46.2 54.6 119.2 64.2 64.3	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479 47 30 43 C 90 35 50	7 108.6 7 108.6 100.8 100.8 100.8 100.8 100.0 108.5 14.0 157.5 145.4 100.0 106.5 105.4 106.5 105.4 106.5 105.4 107.5 108.6 109.0	755 C 1111 735 610 635 469 424 C 105 C 925 722 493 67 603 C 488 472 300 445 C 888 355 515	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 3 119.6 59.9 47.3 56.5 115.0 64.2 66.9	C 10 C 48 C 10 C 9 7 4 6 6 C 49 C 49 C 8 3	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 335 156. 25 147. 27 102. 96 107. 93 116. 16 96.3 025 120. 92 62.4 12 49.2 46 56.6 65 112. 73 67.5 18 66.8	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29	3.4 4.6 C 3.7 5.4 4.6 C 3.7 C 6.3.2 1.1 C 6.3 2.8 C 3.7 5.4 9	445 999 5087 445 999 506 751 645 496 304 453 798 383 530	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8 62.9 47.9 57.5 103.4 69.3 68.3	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650 C 5028 505 309 455 793 396 542	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0 64.1 48.7 57.7 102.7 71.6 69.8	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80 65 C 50	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 119.1 107 151.9 100 151.8 107 99.2 111.0 11 134.2 12 101.9 12 101.9 12 101.9 13 49.4 16 59.1 17 101.9 17 70.5	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES	68 64 67 59 A 77 400 38 66 62 59 A 64 408 78 77 55 77 55	8 688 647 672 7 597 7 75 7 4007 7 387 8 663 6 626 8 713 2 462 7 597 6 40 8 4088 8 788 8 788 8 788 9 772 9 764 9 764	688 647 672 597 775 7 4007 387 663 626 713 462 597 640 4088 788 634 788 772 553 776 544	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788 772 553 776 544	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560 486 323 490 869 357 520 470	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5 61.7 50.9 62.2 112.6 64.6 67.0 86.4	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633 470 290 459 913 352 496 463	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3 59.6 45.7 58.2 118.3 63.7 63.9 85.1	728 C 875 710 587 625 4359 C 888 725 479 611 590 4706 468 293 430 C 920 355 499 467	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 102.3 92.2 115.1 59.4 46.2 54.6 119.2 64.2 64.3 85.8	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479 47 30 43 C 90 35 50 46	7 108.6 7 108.6 100.8 100.8 100.8 100.8 100.0 108.5 14.0 157.5 145.4 100.0 106.5 105.4 106.5 105.4 106.5 105.4 107.5 108.6 109.0	755 C 1111 735 610 639 469 C 105 C 925 722 493 67 603 C 488 472 300 445 C 888 355 519 456	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 119.6 59.9 47.3 56.5 115.0 64.2 66.9 83.8	C 10 C 48 C 10 C 9 7 4 6 6 C 49 C 49 C 8 3 4 C 8 3	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 335 156. 25 147. 27 102. 96 107. 93 116. 16 96.3 025 120. 92 62.4 12 49.2 46 56.6 65 112. 73 67.5 18 66.8 48 82.4	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29	3.4 4.6 C 3.7 5.4 4.6 C 3.1 C 6.8 3.1 C 6.8 3.1 C 6.8 3.7 5.4 9 4.6	445 445 999 506 751 645 496 304 453 798 383 530 423	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8 62.9 47.9 57.5 103.4 69.3 68.3 77.8	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650 C 5028 505 309 455 793 396 542 421	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0 64.1 48.7 57.7 102.7 71.6 69.8 77.4	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 C 80 65 C 50	11 126.6 200.9 6 121.4 70 112.2 8 93.9 54 131.1 119.1 107 151.9 100 151.8 107 99.2 111.0 11 134.2 101 134.2 107 134.2	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES West Friendship ES	68 64 67 59 A 77 400 38 66 62 71 46 59 A 64 408 78 77 55 77 55 77	8 688 647 672 7 597 7 775 7 4007 7 387 8 663 6 626 3 713 462 7 597 6 40 8 4088 8 788 7 72 8 788 7 72 8 776 9 7776 9 776 9	688 647 672 597 775 7 4007 387 663 626 713 462 597 640 8 4088 788 634 788 772 553 776 544 396	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788 772 553 776 544 396	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560 486 323 490 869 357 520 470 236	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633 470 290 459 913 352 496 463 224	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3 59.6 45.7 58.2 118.3 63.7 63.9 85.1 56.6	728 728 728 710 587 625 4359 C 999 C 888 725 479 611 590 4706 468 293 430 C 920 355 499 467 226	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 103.7 102.3 92.2 115.1 59.4 46.2 54.6 119.2 64.2 64.3 85.8 57.1	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479 47 30 43 43 43 43 43 43 43 43 43 46 22	7 108.6 7 108.6 100.8 100.8 100.8 100.8 100.0 108.5 14.0 108.5 144.0 108.5 109.0 106.5 105.4 106.5 105.4 107.3 108.6 109.0	758 C 1111 738 610 638 469 C 105 C 928 722 493 67 603 C 488 472 300 444 C 888 358 519 456 224	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 3 119.6 59.9 47.3 56.5 115.0 64.2 66.9 83.8 56.6	C 10 C 48 C 10 C 9 7 4 66 C 49 C 8 3 4 C 8	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 335 156. 25 147. 27 102. 96 107. 93 116. 96.3 125 120. 92 62.4 12 49.2 46 56.6 65 112. 73 67.5 18 66.8 48 82.4 33 58.8	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29	3.4 4.6 C 3.3 3.7 5.4 4.6 C 3.1 6.6 3.2 1.1 C .8 .3 .7 5.4 .9 .4 .6 .8	445 999 5087 445 999 933 699 506 751 645 496 304 453 798 383 530 423 236	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8 62.9 47.9 57.5 103.4 69.3 68.3 77.8 59.6	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650 C 5028 505 309 455 793 396 542 421 239	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0 64.1 48.7 57.7 102.7 71.6 69.8 77.4 60.4	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 51 C 80 65 C 50 31 46 78 40 54 41 24	11 126.6 200.9 6 121.4 70 112.2 88 93.9 54 131.1 61 119.1 67 151.8 67 99.2 61 134.2 62 101.9 91 124.5 67 64.3 68 49.4 69 59.1 67 101.9 72.7 77 70.5 9 77.0 66 62.1	ccc c
Centennial Lane ES Hollifield Station ES Manor Woods ES Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES	68 64 67 59 A 77 400 38 66 62 71 46 59 A 64 408 78 77 55 77 55 77 55 39 525	8 688 647 647 597 775 74007 7387 8 663 6 626 8 713 6 626 8 4088 7 597 6 40 8 4088 7 597 6 40 8 4088 7 597 6 776 6 740 7 597 7 597 8 4088 8 788 9	688 647 672 597 775 7 4007 387 663 626 713 462 597 640 8 4088 788 634 788 772 553 776 544 396	688 647 672 597 775 4007 387 663 626 713 462 597 640 4088 788 634 788 772 553 776 544 396 5251	705 679 704 574 657 4115 398 891 866 734 494 585 592 4560 486 323 490 869 357 520 470 236 3751	102.5 104.9 104.8 96.1 84.8 102.7 102.8 134.4 138.3 102.9 106.9 98.0 92.5 111.5 61.7 50.9 62.2 112.6 64.6 67.0 86.4	715 783 717 576 625 4216 C 953 C 865 733 492 595 594 4633 470 290 459 913 352 496 463	103.9 121.0 106.7 96.5 80.6 105.2 103.6 143.7 138.2 102.8 106.5 99.7 92.8 113.3 59.6 45.7 58.2 118.3 63.7 63.9 85.1 56.6 69.8	728 C 875 710 587 625 4359 C 888 725 479 611 590 4706 468 293 430 C 920 355 499 467	105.8 135.2 105.7 98.3 80.6 108.8 107.0 150.7 141.9 101.7 102.3 92.2 115.1 59.4 46.2 54.6 119.2 64.2 64.3 85.8	C 100 73 60 63 456 C 104 C 91 71 49 62 58 C 479 47 30 43 C 90 35 50 46 22	7 108.6 7 108.6 100.8 100.8 100.8 100.8 100.0 108.5 14.0 108.5 144.0 108.5 109.0 106.5 105.4 106.5 105.4 107.3 108.6 109.0	755 C 1111 735 610 639 469 C 105 C 925 722 493 67 603 C 488 472 300 445 C 888 355 519 456	109.7 171.9 109.4 102.2 82.5 3 117.1 109.6 158.4 147.8 101.3 106.7 112.4 94.2 3 119.6 59.9 47.3 56.5 115.0 64.2 66.9 83.8 56.6 69.7	C 10 C 19 C 10 C 9 7 4 C 10 C 9 7 4 6 6 6 C 49 C 49 C 49 C 49 C 49 C 49 C 49 C 49	95 115. 183 182. 46 111. 24 104. 52 84.1 355 121. 33 111. 335 156. 25 147. 27 102. 96 107. 93 116. 16 96.3 025 120. 92 62.4 12 49.2 46 56.6 65 112. 73 67.5 18 66.8 48 82.4	6 C 8 C 12 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	29	3.4 3.7 3.4 4.6 C 3.1 3.1 6.3 3.1 C 3.2 1.1 C 3.2 4.6 6.3 7 5.4 .9 .4 .6 .8 .8	445 445 999 506 751 645 496 304 453 798 383 530 423	123.1 198.6 115.3 107.5 87.4 127.0 115.0 150.7 149.0 98.0 109.5 125.8 100.8 121.8 62.9 47.9 57.5 103.4 69.3 68.3 77.8 59.6 69.0	C 863 C 1316 C 799 647 703 C 5192 C 994 C 935 704 511 C 782 650 C 5028 505 309 455 793 396 542 421	125.4 203.4 118.9 108.4 90.7 129.6 116.8 149.9 149.4 98.7 110.6 131.0 101.6 123.0 64.1 48.7 57.7 102.7 71.6 69.8 77.4 60.4 69.7	C 87 C 13 C 81 67 72 C 52 C 10 C 95 70 C 80 65 C 50	11 126.6 200.9 6 121.4 70 112.2 88 93.9 54 131.1 61 119.1 67 151.9 60 151.8 67 99.2 63 111.0 61 134.2 62 101.9 71 124.5 72 70.5 73 70.5 74 70.5 75 99 77.0 76 62.1 77 70.5	ccc c

 Countywide Totals
 24600
 24700
 24700
 24700
 24151
 98.2
 24530
 99.3
 24

 A: capacity includes additions as reflected in FY 2015 CIP for Grades K-5 between 2014 and 2020

MIDDLE SCHOOLS - MAY 2014 APFO Test

Capacity Utilization Rates with Board of Education's Approved FY 2015 Capital Budget Projects

Chart reflects May 2013 Projections, Board of Education's Requested FY 2015 capacities, and effects of approved redistricting for the 2014-15 school year as well as proposed redistricting associated with Capital Projects. 2018-19 2019-20 2020-21 2021-22 2023-24 2024-25 Capacity 2017-18 2026-27 Columbia - East 2018 2019 % Util. % Util. Proj % Util. Proj % Util. Proj % Util. % Util. Proj % Util. % Util. Proj % Util. Lake Elkhorn MS 643 520 530 84.8 550 560 568 570 643 643 643 80.9 82.4 545 545 548 88.3 564 87 7 84.8 85.5 85.2 87.1 88.6 Oakland Mills MS 506 506 506 508 100.4 554 109.5 570 112.6 566 111.9 544 107.5 547 108.1 554 109.5 560 110.7 563 111.3 574 113.4 Region MS Totals 1149 1149 1149 1028 89.5 1084 94.3 1115 97.0 1111 96.7 1094 95.2 1095 95.3 97.0 1128 98.2 1127 98.1 1144 99.6 1114 Columbia - West Harpers Choice MS 506 506 506 506 606 119.8 C 611 120.8 С 606 119.8 **C** 605 119.6 **C** 620 122.5 **C** 608 120.2 **C** 603 119.2 **C** 610 С 125.7 115.6 139.2 Wilde Lake MS R 623 623 623 623 691 110.9 707 113.5 736 118.1 С 720 С 740 118.8 С 764 С 818 С 867 С 912 146.4 938 150.6 Region MS Totals 1129 1129 1129 1297 114.9 1318 1360 1372 1421 Northeastern 662 662 662 722 109.1 737 111.3 692 104.5 682 103.0 97.6 676 102.1 675 102.0 106.0 106.6 Bonnie Branch MS 662 709 107.1 646 702 706 Elkridge Landing MS 779 779 779 779 747 95.9 733 94.1 739 94.9 737 94.6 767 98.5 777 99.7 783 100.5 782 100.4 807 103.6 817 104.9 Ellicott Mills MS 662 662 873 131.9 876 132.3 С 899 135.8 933 140.9 970 146.5 967 146.1 С 959 144.9 С 953 144.0 145.9 662 662 966 968 146.2 Mayfield Woods MS 798 798 798 798 749 769 96.4 797 99.9 794 99.5 824 103.3 839 105.1 874 109.5 907 113.7 116.5 С 945 118.4 93.9 930 Thomas Viaduct MSNs 662 662 602 90.9 94.6 102.0 106.5 110.6 113.0 662 662 92.6 95.2 98.8 114.7 Region MS Totals 3563 3563 3563 3563 3680 103.3 3713 104.2 3798 106.6 3786 106.3 3897 109.4 3904 109.6 3997 112.2 4049 113.6 4153 4195 Northern Burleigh Manor MS 779 779 779 768 98.6 770 98.8 780 100.1 782 100.4 105.0 855 109.8 904 116.0 С 922 118.4 С 972 124.8 992 127.3 565 С 665 100.3 105.9 Dunloggin MS 565 662 662 674 119.3 С 667 118.1 100.5 664 692 683 103.2 692 104.5 689 104.1 701 708 106.9 104.5 Patapsco MS 643 643 643 760 118 2 761 118 4 С 719 111.8 688 107.0 682 106.1 678 105.4 698 108 6 716 111.4 758 1179 787 122.4 Region MS Totals 1987 1987 2084 2084 2202 110.8 2198 110.6 2164 103.8 2134 102.4 2192 105.2 2216 106.3 2294 110.1 2327 111.7 2431 119.3 Southeastern 587 97.2 100.5 103.1 115.2 **C** 120.0 **C** С С Hammond MS 604 604 604 604 607 623 652 107.9 664 109.9 696 725 753 124.7 764 126.5 763 126.3 С 119.2 **C** 805 121.6 **C** 817 123.4 С Murray Hill MS 662 662 662 662 731 110.4 760 114.8 776 117.2 С 807 121.9 С 789 119.2 С 775 117.1 789 793 119.8 С Patuxent Valley MS 760 760 760 760 732 96.3 772 101.6 800 105.3 833 109.6 112.0 888 116.8 **C** 955 125.7 С 997 131.2 С 1004 132.1 С 980 128.9 C Region MS Totals 2026 2026 2026 2026 2050 101.2 2139 105.6 2199 108.5 2292 113.1 2304 113.7 2359 2469 2555 2585 Western Clarksville MS 643 643 511 79.5 76.0 449 69.8 381 59.3 49.8 339 52.7 350 54.4 357 55.5 54.0 643 643 489 325 50.5 320 347 Folly Quarter MS 662 662 662 662 605 91.4 596 90.0 592 89.4 557 84.1 531 523 79.0 554 83.7 552 83.4 547 82.6 516 77.9 80.2 82.4 427 78.3 Glenwood MS 545 545 545 545 494 90.6 466 462 84.8 449 443 418 76.7 432 79.3 452 82.9 452 82.9 85.5 81.3 Lime Kiln MS 701 701 701 701 673 96.0 664 94.7 679 96.9 667 95.1 644 91.9 637 90.9 659 94.0 679 96.9 675 96.3 643 91.7 Mount View MS 687 94 5 99.1 798 798 798 798 91.0 715 896 685 85.8 659 665 712 89.2 754 791 821 102.9 86.1 726 82.6 83.3 Region MS Totals 3349 3349 3349 2941 2563 2696 3349 2970 88.7 87.8 2897 86.5 2739 81.8 2602 77.7 76.5 80.5 2762 82.5 2822 84.3 2779 83.0 Countywide Totals 13203 13203 13300 13300 13227 13515 101.6 13387 13449 13509 13991 14298 14660 110.6 100.2 101.4 100.7 101.1 101.6 107.5 14715

A: capacity includes additions as reflected in FY 2015 CIP for Grades 6-8 between 2014 and 2020

NS: New Middle School (Thomas Viaduct MS) under construction to open in August 2014.

R: Replacement school scheduled to open August 2017.

Partially and Fully Funded Projects in Process

Project Name	Project Number	Appropriation	Proposed Completion	Project Status
Planning Wilde Lake MS Swansfield ES Renovation/Addition	E1031 E1034	\$ 10,858,000 \$ 1,898,000	2017 2017	In design; Design Documents. Planning.
Construction				
Atholton HS Renovation/Addition	E1015	\$ 61,069,000	2015	Under construction.
Longfellow ES Renovation	E1027*	\$ 18,517,000	2015	Under construction.
Laurel Woods ES	E1032	\$ 8,023,000	2015	Under construction.
Deep Run ES	E0980	\$ 20,154,000	2016	Under construction.
Patuxent Valley MS Renovation	E1033	\$ 8,145,000	2017	Under construction.

^{*} Planning funds appropriated under E-0980.

Facilities Constructed With Assistance From Maryland School Construction Funds (1980 through 2014)

Completion (School year)	Elementary	Middle	High	Special
1980-1981	-	-	-	-
1981-1982	-	-	-	Cedar Lane
1988-1989	Bollman Bridge	-	-	-
1989-1990	-	Patuxent Valley	-	-
1990-1991	Deep Run	-	-	-
	Waverly	-	-	-
1991-1992	Pointers Run	Mayfield Woods	-	-
1992-1993	Elkridge	Burleigh Manor	-	-
	Forest Ridge	-	-	-
1993-1994	Rockburn	Mount View	-	-
1994-1995	Manor Woods	-	River Hill	-
1995-1996	-	Elkridge Landing	-	-
1996-1997	Ilchester	-	Long Reach	-
	-	-	Wilde Lake (Replaceme	-
1997-1998	Fulton	Murray Hill	-	-
	Hollifield Station	-	-	-
1998-1999	Gorman Crossing	-	-	-
	Triadelphia Ridge	-	-	-
1999-2000	-	Bonnie Branch	-	-
	-	Lime Kiln	-	-
2001-2002	-	Ellicott Mills (Replaceme	-	-
2002-2003	-	-	Reservoir	Homewood
2003-2004	Bellows Spring	Folly Quarter	-	-
2005-2006	-	-	Marriotts Ridge	Cedar Lane
2006-2007	Dayton Oaks	-	-	-
2007-2008	Veterans	-	-	-
	Bushy Park Replacem	-	-	-
2013-2014	Ducketts Lane	-	-	-
2014-2015	-	Thomas Viaduct	-	-

Additions/Renovations Constructed With Assistance From Maryland School Construction Funds (1980 through 2014)

Completion	Elementary	Middle	High	Special
(School year)		madic	g	Opcolai
1980-1981	Atholton	-	-	-
	Clarksville	T.,	-	-
1981-1982	Guilford	Waterloo (Relocatables)	<u>-</u>	-
1983-1984	-	-	Mt. Hebron (Stage B, Phase	
1985-1986	-	-	-	School of Technology
1986-1987	Guilford	-	-	-
1987-1988	-	-	Atholton (Stage B, Phase II)	-
1991-1992	-	-	Oakland Mills	-
1994-1995	Northfield	Owen Brown	-	-
	Centennial Lane	-	-	-
	Dasher Green	-	-	-
1995-1996	-	Wilde Lake	-	-
		Oakland Mills	.	-
1996-1997	Hammond	<u>-</u>	Hammond	-
1998-1999	Swansfield	Dunloggin	-	-
	Jeffers Hill	-	-	-
	Waterloo	-	-	-
2000-2001	llchester	-	-	-
	Pointers Run	-	-	-
	St. John's Lane	-	-	-
	Talbott Springs	-	-	-
2001-2002	Forest Ridge	-	-	-
	Pointers Run	-	-	-
2002-2003	Atholton	<u>=</u>	Centennial	-
	Clarksville	-	-	-
	Hollifield Station	-	•	-
2003-2004	Fulton	Patapsco	Atholton	-
2004-2005	Manor Woods	Clarksville	Mt. Hebron	-
	Rockburn	-	Oakland Mills	-
2006-2007	Clarksville	-	Howard	-
	Fulton	-	-	-
	Pointers Run	-	-	-
	Triadelphia Ridge	-	-	-
	All Day K (Phase III) (4)	-	-	-
2007-2008	All Day K (Phase IV) (11)	-	-	-
	Waverly	-	-	-
	Centennial Lane(Reno)	-	-	-
	Clarksville	-	-	-
2008-2009	All Day K (Phase V) (7)	Clarksville	Glenelg	-
	Centennial Lane(Add)	-	-	-
	Worthington Reno.	-	-	-
2009-2010	All Day K (Phase VI) (7)	-	-	-
	Clemens Crossing (Reno)	-	-	-
	Waterloo (Reno)	-	-	-
2010-2011	Northfield	-	Mt. Hebron	-
2011-2012	Hammond	Hammond	Hammond Dance Studio	-
	Bellows Spring	-	Centennial Dance Studio	-
2012-2013	Thunder Hill	-	-	-
2013-2014	Bollman Bridge	-	-	-
	Gorman Crossing	-	-	-
	Phelps Luck	-	-	-
	Stevens Forest	-	-	-
2014-2015	Running Brook	-	-	-



BOARD OF EDUCATION POLICY 6020 SCHOOL PLANNING/SCHOOL CONSTRUCTION PROGRAMS

Effective: August 14, 2014

I. Policy Statement

The Board of Education is responsible for providing safe, engaging and supportive educational and work environments for all students and staff. The Board recognizes the continuing need to plan, design, and construct new educational facilities and to renovate or make additions to existing schools that are in accordance with all applicable code, as well as Maryland and federal law. Fulfilling this responsibility requires a comprehensive program that monitors population trends, enrollment trends, educational program spatial requirements, cost/benefit considerations, technologies that support environmentally responsible construction, and an annual six-year capital improvement program.

II. Purpose

The purpose of the policy is to establish guidelines for the administration of the School Planning and the School Construction programs.

III. Definitions

Within the context of this policy, the following definitions apply:

- A. Architect/Engineering Firm (A/E) A designation usually reserved by law for a person or organization professionally qualified and duly licensed to perform architectural and/or engineering services including, but not necessarily limited to, analysis of project requirements; creation and development of the project design; preparation of drawings, specifications, and bidding requirements; and general administration of the construction contract.
- B. Beneficial Occupancy The use by the owner of a project or portion thereof before all the terms of the contract are complete.
- C. Bid The price a contractor commits to for constructing a project.
- D. Bid Procedures Criteria to determine the award of a contract pursuant to Policy 4050 Procurement of Capital Materials, Supplies, Equipment and Services.
- E. Bonds General obligation documents issued by the county to borrow money to fund capital projects.

- F. Capital Improvement Program (CIP) All capital improvements listed as part of the Board's annual approved capital budget.
- G. Capital Improvement Project Any physical betterment or improvement and any preliminary studies and surveys relative thereto, including but not limited to, any property of a permanent nature, and equipment needed in connection with such improvement when first erected or acquired.
- H. Change Order A written document to the contractor signed by the owner and engineer or architect, issued after the execution of the contract, authorizing a change in the work or an adjustment in the contract sum.
- I. Construction Manager (CM) A person or organization hired to coordinate and manage the construction phases of a project with the objective of minimizing project construction time and cost while maintaining the quality, function, and aesthetics of the building.
- J. Design Stages The three phases of an architect's basic services, which include:
 - 1. Schematic Design (SD) the first phase of the architect's basic services. In this phase, the architect meets with the project planning team to ascertain the requirements of the project and prepares schematic design studies consisting of drawings and other documents illustrating the scale and relationship of the project components for approval by the Board. A statement of probable construction cost is also submitted at this time.
 - 2. Design Development (DD) the second phase of the architect's basic services. In this phase the architect prepares, from the approved schematic design studies, the design development documents for approval by the Board. These design documents consist of drawings and other documents to fix and describe the size and character of the entire project as to structural, mechanical and electrical systems, materials and other essentials as may be appropriate. The architect also submits to the Board a further statement of probable construction costs.
 - 3. Construction Documents (CD) the third phase of the architect's basic services. In this phase the architect prepares, from the approved design development documents, the working drawings, specifications, and necessary bidding information for approval by the Board. A final cost estimate is prepared before the project is bid.
- K. Facility Design Plans, elevations, sections, and other drawings and specifications that may be necessary for a building or other structure.

- L. Facility Planning Educational and architectural planning and analysis used to produce and design the concept for school projects.
- M. Final Occupancy The point at which all or a designated portion of a building complies with the provisions of a contract and all applicable county and state statutes and regulations.
- N. Interagency Committee on School Construction (IAC) The state agency responsible for the review/approval of construction documents and funding of schools or school construction projects.
- O. Office of Safety, Environment and Risk Management The office that is responsible for reviewing and monitoring the design and construction phases related to environmental initiatives, such as Integrated Pest Management (IPM), Indoor Air Quality (IAQ), and Asbestos Abatement.
- P. Office of School Construction The office that is responsible for all phases of planning, design and construction of new schools as well as additions to and comprehensive modernization of existing schools, from planning through occupancy.
- Q. Office of School Planning The office that is responsible for projecting needs based on demographics for the purpose of assisting the Superintendent in the development of the Capital Improvement Program.
- R. Punch List List made near the completion of work, indicating items to be furnished or work to be performed by the contractor or subcontractor in order to complete the work as specified in the contract documents.
- S. State of Maryland Public School Construction Program (PSCP) Program that provides for the funding of public school construction.
- T. Sustainable Design Design that seeks to reduce negative impacts on the environment and the health and comfort of building occupants, thereby improving building performance. The objectives of sustainability are to reduce consumption of non-renewable resources, minimize waste, and create healthy, productive environments.
- U. Warranty/Guarantee Period Period of time in which the quality of work and/or satisfactory performance is guaranteed.

IV. Standards

- A. This policy and associated implementation procedures apply to the capital improvement projects that are listed as part of the Board's annual approved capital budget requiring contracts and consultant agreements.
- B. The Howard County Public School System (HCPSS) employs sustainable design construction that supports educational program needs and creates a safe and nurturing environment for students and staff within allotted budgetary resources.
- C. The school planning/school construction program involves a sequential plan of action and is divided into ten general categories, each requiring professionally trained and experienced staff to plan and carry out the requirements of the program consistent with the Superintendent's Safety Guidelines for Renovation and Construction Projects and all applicable regulations.
 - 1. Long-Range Planning and Student Population Projection
 - a. This category involves the annual projection of pupil population and general population growth by the Office of School Planning. Short-range demographic studies to support the Capital Improvement Program, school attendance area studies, transportation planning, and other special needs are also included.
 - b. By state regulation the Board is also required to develop, maintain, and annually update a master plan for the school system for submission to the IAC. This plan has as its basis a variety of population studies which guide the decision making for school facilities on both a long and short-term basis.

2. Capital Improvement Program

- a. The Capital Improvement Program is a projection of the school facility needs for the next fiscal year (Capital Budget) and the following five-year period. The Capital Improvement Program is based on needs to support the educational program of the system with new schools, modernizations, and other construction projects.
- b. The local Capital Improvement Program serves as the basis for state funding requests through the Interagency Committee for School Construction and the State of Maryland Public School Construction Program.

3. Site Selection

Procedures for site selection and summarization of site size criteria for elementary, middle and high schools are addressed in Policy 6000 Site Selection and Acquisition. As part of the selection process, the Office of School Construction produces studies including site layouts and environmental assessments.

4. Architect/Engineering Firm and Construction Manager Selection

Procedures for architectural/engineering and construction management services selection are addressed in Policy 6030 Procurement of Architectural/Engineering and Construction Management Services.

Facility Planning and Facility Design

The facility planning and design process allows for orderly and systematic design of school facilities. This process is conducted using either the Board-approved General Elementary Educational Specifications for New Schools, General Educational Specifications for New Howard County Middle Schools, General Educational Specifications High Schools, or the Board approved Guidelines Manual for Renovations and Modernizations of Existing Schools as the basic references for the facility in question. These documents describe the basic educational philosophy, instructional program, and spatial requirements needed to implement the planning and construction program.

6. Bid and Award

The bid and award procedures for school construction projects conform to those used for the procurement of other goods and services which are addressed in Policy 4050. In addition, these procedures comply with the requirements of the State of Maryland Public School Construction Program.

7. Contract and Construction Administration

The Office of School Construction is responsible for monitoring construction work and administering the schedule, budget, and change orders that affect the scope and/or cost of the work. A school construction progress report which includes these topics is submitted monthly to the Board.

In accordance with the provisions of Policy 6030, a construction manager may be hired to manage the construction process.

8. Official Acceptance of Capital Improvement Projects

Capital improvement projects may be designed to be accepted in stages or upon total completion of work, based on staff recommendation to and approval by the Board.

9. Post-Acceptance Evaluation

Use, occupancy, and evaluation by staff may occur only after the project has been officially accepted. The Board will receive a final report following the walk-through.

10. Temporary and Relocatable Facilities

Relocatable classroom units should be considered under the following conditions and within the context of Policy 6010 School Attendance Areas:

- a. Where school population growth occurs
- b. Where school capacity is near maximum
- c. When boundary lines are adjusted
- d. Where population is projected to remain high for at least one year
- e. Where school construction or renovation projects require the provision of swing space to accommodate the student population and minimize the impact on instruction.

Where excess population is projected to remain beyond four years, consideration should be given to an addition or new construction.

D. To the extent possible, school facilities and sites should be available for after school use by the community. The possibility of joint use development of school and recreational facilities, including joint construction of school and recreational space, is encouraged on a case-by-case basis.

V. Compliance

- A. The Superintendent/Designee is responsible for the administration of the school planning and construction programs.
- B. The Office of School Planning and the Office of School Construction are responsible for collaboration in order to obtain the efficient implementation of this policy.
- C. For Capital Improvement Projects, the Principal is responsible for communicating project information to the parent community in a timely manner.

VI. **Delegation of Authority**

The Superintendent is authorized to develop appropriate procedures to implement this policy.

VII. References

A. Legal

The Annotated Code of Maryland, Education Article

- § 3-602.1 (requirements to design high performance buildings)
- § 4-115 (right to acquire land, school sites or buildings)
- § 4-116 (land use approval procedures)
- § 4-117 (construction and remodeling conformance to state and county building codes)
- § 5-301 (Board of Public Works role and procedures in school construction)
- § 5-302 (composition and role of the IAC in school construction)
- § 5-303 (procedure for determining the cost of renovating existing schools)
- § 5-312 (state funding support related to high performance buildings)
- § 7-108 (guidelines for community use of public school facilities)
- § 7-109 (use of public school facilities as day care centers)
- COMAR 13A.01.02.03 (requirements for obtaining State Superintendent's approval for school construction projects)
- COMAR 15.05.02 (regulations pertaining to integrated Pest Management and Notification of Pesticide Use in a Public School Building or on School Grounds)

Americans with Disabilities Act (ADA)

Occupational Safety and Health Act (OSHA)

Maryland Occupational Safety and Health Act (MOSHA)

B. Other Board Policies

Policy 4050 Procurement of Capital Materials, Supplies, Equipment, and Services

Policy 6000 Site Selection and Acquisition

Policy 6010 School Attendance Areas

Policy 6030 Procurement of Architectural/Engineering and

Construction Management Services

C. Other

General Elementary Educational Specifications for New Schools

General Educational Specifications for New Howard County Middle Schools

General Educational Specifications High Schools

Guidelines Manual for Renovations and Modernizations of Existing Schools Safety Guidelines for Renovation and Construction Projects

VIII. History

ADOPTED: September 4, 1968

REVIEWED:

MODIFIED: August 14, 2014 REVISED: September 13, 1990

January 14, 2010

EFFECTIVE: August 14, 2014



POLICY 6020-PR IMPLEMENTATION PROCEDURES SCHOOL PLANNING/SCHOOL CONSTRUCTION PROGRAMS

Effective: July 1, 2010

These procedures apply to the construction of new schools and the modernization/renovation of existing facilities that are included in the Board's Capital Improvement Program.

I. Long-range Planning and Student Population Projection

The Office of School Planning will:

- A. Gather enrollment, population, and housing data from appropriate sources
- B. Provide an annual projection using the cohort survival method or other established demographic methodology
- C. Provide an annual report of projection accuracy to the Board of Education.

II. Capital Improvement Program

The Office of School Planning and the Office of School Construction will:

- A. Develop the Capital Improvement Program based on population growth and anticipated needs of that population
- B. Present the Board's requested six-year Capital Improvement Program, which includes a request for the next fiscal year (capital budget) and the following five-year period
- C. Prepare the State of Maryland Public School Construction Program (PSCP) budget funding request
- D. Incorporate the state budget request with the Board six-year Capital Improvement Program to determine the annual county Capital Improvement Program request
- E. Select and analyze site(s).

III. Site Selection

Site selection and acquisition is recommended to the Board after being analyzed for appropriateness for a school. (See Policy 6000 Site Selection and Acquisition.)

IV. Architect/Engineering Firm and Construction Manager Selection

Procurement of architectural/engineering and construction management services are recommended to and approved by the Board in compliance with Policy 6030 Procurement of Architectural/Engineering and Construction Management Services.

V. Facility Planning and Facility Design

A facility planning team is convened, consisting of school and community members, personnel from the Office of School Construction, a designee from the Office of Safety, Environment and Risk Management, other central office personnel, the project architect, and others who may be named by the Superintendent/Designee. The planning team provides input to the architect in developing a series of three design studies that meets Board policy as well as the objectives of the applicable educational specifications or renovation guidelines.

The series of three design studies is as follows:

A. Schematic Design Phase

- 1. Planning team named by the Superintendent/Designee
- 2. Description of conceptual design
- 3. Initial cost analysis
- 4. Presentation to and approval by the Board.

B. Design Development Phase

- 1. Description of the design
- 2. Detailed layouts of subject areas
- 3. Cost analysis
- 4. Presentation to and approval by the Board.

C. Construction Documents Phase

- 1. Description of the final design
- 2. Cost analysis and cost reduction
- 3. Final review of drawings and specifications
- 4. Presentation to and approval by the Board
- 5. Preparation of bid documents.

The above steps may be combined. In each phase, the effect on the occupants, the building structure, and/or systems is considered. Each phase is submitted for review and approval by the Board and the Interagency Committee on School Construction (IAC). Copies of the Howard County Public School System (HCPSS) response to the design

submission review letters from the IAC approving agencies will also be submitted to the Board

VI. Bid and Award

Pursuant to Policy 4050 Procurement of Capital Materials, Supplies, Equipment, and Services, these procedures call for a publicly announced bid period during which interested bidders examine the bid documents and submit a sealed bid by the date and time required. The bid documents are opened in public and the price submitted for each bid item is read aloud. At a subsequent meeting of the Board, the results of the bid are presented and a recommendation to award to the lowest responsible and responsive bidder is made.

The final decision is made by the Board. Upon submission of all documents, bonds, and other matters required in the contract, a formal contract is signed.

VII. Contract and Construction Administration

A. Office of School Construction

The project architect serves as the Board's representative and administers the contract, answers technical questions, approves submittals, and initiates change orders and requests for proposals subject to the Board's approval. The Office of School Construction coordinates the completion schedule with the principal/designee and other school system personnel to ensure that furniture and equipment deliveries, technology services, and food services satisfy the requirements for their respective sections. Prior to the opening of school, the Office of School Construction monitors each project to resolve any last minute problems and continues this supervision during the warranty period.

The Office of School Construction supervises the construction, budget, schedule, and quality of work, administers change order requests, and administers the warranty period. When school projects are technically complex, have a very short construction time, or require staff attention beyond the time available, a construction manager may be hired to manage the construction process.

B. Office of Safety, Environment and Risk Management

The Office of Safety, Environment and Risk Management monitors the design and construction phases at regular intervals and in response to specific concerns. Consistent with all statutory requirements, monitoring includes Integrated Pest Management (IPM), Indoor Air Quality (IAQ), and abatement of potentially hazardous materials.

VIII. Official Acceptance of Capital Improvement Projects

New facilities and other Capital Improvement Projects may be accepted in several ways. If conditions permit, the school system will wait until all major and minor building system corrections are fully complete and all minor repairs, deficiencies and discrepancies (punch list items) have been corrected. The project architect will then certify that the building is complete and has been constructed according to the drawings and specifications. This marks the beginning of the warranty period for the building. School facilities are typically scheduled so that all construction will be complete and the building ready for acceptance in early summer. Final inspection and acceptance involves a review of the project at substantial completion of construction, which includes listing items to be adjusted, corrected, or completed by the contractor's "punch list." In most cases, the project is complete except for minor system work and completion of the punch list items by late summer.

The Office of School Construction is responsible for certifying, as applicable, beneficial occupancy, final occupancy, move-in, punch list, and warranty/guarantee.

IX. Post-Acceptance Evaluation

- A. After project acceptance, furnishings and movable equipment can be installed, supplies can be delivered and stored, and the staff can occupy the facility for operation. At this time, the construction project enters into a one year guarantee and a two year mechanical/electrical guarantee period during which time discrepancies in the workmanship, materials, and equipment supplied under the contract are noted and corrected. Some specifically identified warranties/guarantees may be longer than one to two years.
- B. Following the move-in, the Office of School Construction works closely with the school administration and maintenance personnel to correct any problems that arise during the warranty period.
- C. After the first instructional year following construction, a walk-through of the facility is conducted to evaluate the success of the facility as a teaching environment and the success of the educational concepts in the General Elementary Educational Specifications for New Schools, or General Educational Specifications for New Howard County Middle Schools, or General Educational Specifications High Schools or Guidelines Manual for Renovations and Modernizations of Existing Schools in effect at the time the project was designed. The facility is also evaluated as to use of materials, building systems, construction quality, and other aspects pertaining to the building.

- D. A walk-through of the building by a representative team of stakeholders may include a:
 - 1. Teacher representative
 - 2. Administration personnel
 - 3. Custodian
 - 4. PTA representative
 - 5. School facilities representative(s)
 - 6. Designee from Safety, Environment and Risk Management.

X. Temporary and Relocatable Facilities

Placement of temporary and relocatable portable facilities is determined by and implemented as follows:

- A. Presentation of current population projections
- B. Identification of where new units are needed
- C. Evaluation of site plans
- D. Evaluation of cost implications
- E. Presentation to and approval by the Board
- F. Reassignment or procurement of units
- G. Installation of units
- H. Post installation inspection by the Office of School Construction.

ADOPTED: September 13, 1990 AMENDED: January 14, 2010 EFFECTIVE: July 1, 2010

Glossary of Terms

ADA: Americans with Disabilities Act.

ADDITION (SCHOOL): A school addition is defined as any type of space that adds capacity or provides space for a new program.

BUILDING: A structure, either permanent or relocatable, consisting of constructed walls, roof, and floor. A structure that has the same floors, ceiling, and walls and is not separated by an open air space is considered one building.

PERMANENT: A structure built with a fixed foundation that has permanently attached walls, roof, and floor that cannot be moved or transported either as a unit or in sections.

RELOCATABLE: A building or portion of a building made up of prefabricated units that may be disassembled and reassembled frequently, or a single unit of construction consisting of walls, roof, and floor that is movable as a unit either on wheels or by truck. Mobile, demountable, dividable, modular, and portable buildings are types of relocatable units.

CAFETORIUM: A space within an educational facility that is used as both a cafeteria and an auditorium.

CAPACITY: Number of students that may be housed in a facility at any given time based on a utilization percentage of the total number of existing satisfactory student stations.

CIP: Capital Improvement Program

CLASSROOM: An instructional space requiring no special design or equipment and used for housing general programs such as language arts, social studies, and mathematics.

CLEAN AIR ACT: This program includes projects to convert or replace cooling equipment in school facilities so that they will no longer use ozonedepleting refrigerants.

COMAR: Code of Maryland Regulations.

COURTYARD: A large open space, usable by the student body or faculty, enclosed or surrounded by buildings.

COVERED WALKWAY: Enclosed or unenclosed covered passageways connected to a building outside the exterior walls.

EDUCATIONAL FACILITIES: "Educational facilities" means the buildings and equipment, structures, and special educational use areas that are built, installed, or established to serve primarily the educational purposes and secondarily the social and recreational purposes of the community and which may lawfully be used as authorized by the Maryland Statutes and approved by boards.

FEASIBILITY STUDY: The examination and analysis of information related to projected educational facilities to determine whether they are reasonable and possible.

FY: Fiscal Year.

G.S.F.: Gross Square Feet.

GYMNASIUM: An instructional area designed or adapted specifically for physical education activities. Regular or special classrooms connected to, or contained in, gymnasiums are recorded individually as regular or special classrooms and not as part of the gymnasium.

GYMNATORIUM: A space within an educational facility that is used both as a gym and an auditorium.

HVAC: Heat, ventilation, air conditioning, and refrigeration.

Glossary of Terms

KINDERGARTEN CLASSROOM: A special classroom designed or provided with special built-in equipment for use by a group or class organized to provide educational experiences for children preceding the first grade. Room must not be located above the first floor and must have self-contained rest rooms.

LABORATORY: An instructional area designed for and furnished with specialized equipment to serve the needs of a particular program of study. Included in this category are science laboratories, language laboratories, reading laboratories, and vocational/technology laboratories.

LEED: Leadership in Energy and Environmental Design is a green building certification program.

LIMITED RENOVATION (LR): Includes projects that upgrade or replace a minimum of five major building systems and include widespread educational or architectural enhancements in schools or part(s) of schools that have been in use for more than 15 years. A limited renovation upgrades an existing building and site, or a portion of a building and site, to achieve many, but not all, of the current educational, building performance, and aesthetic qualities of a new school. A limited renovation allows further participation by the State within 15 years after the project is placed in service for projects that were not included in the original awarded scope of the Limited Renovation.

LONG-RANGE PLANNING: Devising a systematic method based on educational information and needs, carefully analyzed, to provide the facilities to meet the goals and objectives of the educational agency for a period of five years.

MAINTENANCE AND REPAIRS: The upkeep of educational and ancillary plants, including, but not limited to, roof or roofing replacement short of complete replacement of membrane or structure; repainting of interior or exterior surfaces; resurfacing of floors; repair or replacement of glass; repair of hardware, furniture, equipment,

electrical fixtures, and plumbing fixtures; and repair or resurfacing of parking lots, roads, and walkways. "Maintenance and repair" shall not include renovation except for the replacement of equipment with new equipment of equal systems meeting current code requirements, provided that the replacement item neither places increased demand upon utilities services or structural supports nor adversely affects the function of safety to life systems.

MEDIA CENTER: An area specifically designed or adapted as a place for study, reading, and the custody, circulation, and administration of a collection of books, manuscripts, and periodicals kept for use by the student body.

MULTIPURPOSE ROOM: An instructional area designed or adapted specifically for two or more of the combined functions that might normally be used for assemblies, physical education, lunch, music, clubs, audiovisual work, and library services. Separate gymnatoriums and cafetoriums are not classified as multipurpose rooms.

MUSIC ROOM: An instructional area designed or provided with special built-in equipment for learning activities involving choral and instrumental music.

NEW CONSTRUCTION: Any construction of a building or unit of a building in which the entire work is new or an entirely new addition connected to an existing building or which adds additional square footage to the space inventory.

N.S.F.: Net Square Feet.

PARCEL: The unique acreage of contiguous land. Typically consists of a plot of land that is not divided by a county, city, state, or federally owned or maintained road or highway.

Glossary of Terms

PROJECT FEASIBILITY STUDY: A project and site evaluation study to determine the suitability of the site for the project in question. A pre-design architectural study which may look at various scenarios before an architect is engaged to design the renovation or new construction.

PUBLIC SCHOOL CONSTRUCTION PROGRAM (PSCP): The Maryland Public School Construction Program funds the cost of constructing certain school capital improvements or portions thereof up to the extent of the approvals by the Board of Public Works and consistent with the current regulations, subject to annual appropriations.

RENOVATION: The rejuvenating or upgrading of existing facilities by installation or replacement of materials and equipment and includes, but is not limited to, interior or exterior reconditioning of facilities and spaces; air-conditioning, heating, or ventilating equipment; fire alarm system; emergency lighting; electrical systems; and complete roofing or roof replacement, including replacement of membrane or structure. (In this context, the term "materials" does not include instructional materials.) PSCP distinguishes between different types of renovations, depending upon their scope.

REPLACEMENT: Projects to replace the majority or the entirety of an existing school where the cost of renovation is prohibitive, or site/building layout and other technical factors make renovation of the entire structure infeasible. Replacement may include expansion to increase capacity, and must typically be justified on the basis of a feasibility study.

RESOURCE ROOM: An instructional space used primarily to enhance and support, not supplant, instruction received in regular or special classrooms. Generally designed to accommodate fewer students than other classrooms.

ROOM: A space enclosed on all sides. Alcoves or recesses are not considered separate rooms and should be included in the NSF of the room where such spaces are found.

SITE: A space of ground occupied or to be occupied by an educational facility or program.

SITE DEVELOPMENT: Site development means work that must be performed on an unimproved site in order to make it usable for the desired purpose; or, work incidental to new construction or to make an addition usable.

SITE IMPROVEMENT: The work that must be performed on an existing site to improve its utilization, correct health and safety deficiencies meet special program needs or provide additional service areas. Site improvement incident to construction is the work that must be performed on a site as an accompaniment to the construction of an addition to an educational facility of for a modernization project.

USGBC: U.S. Green Building Council administers the LEED building program which certifies green buildings.